

FIGURE 1

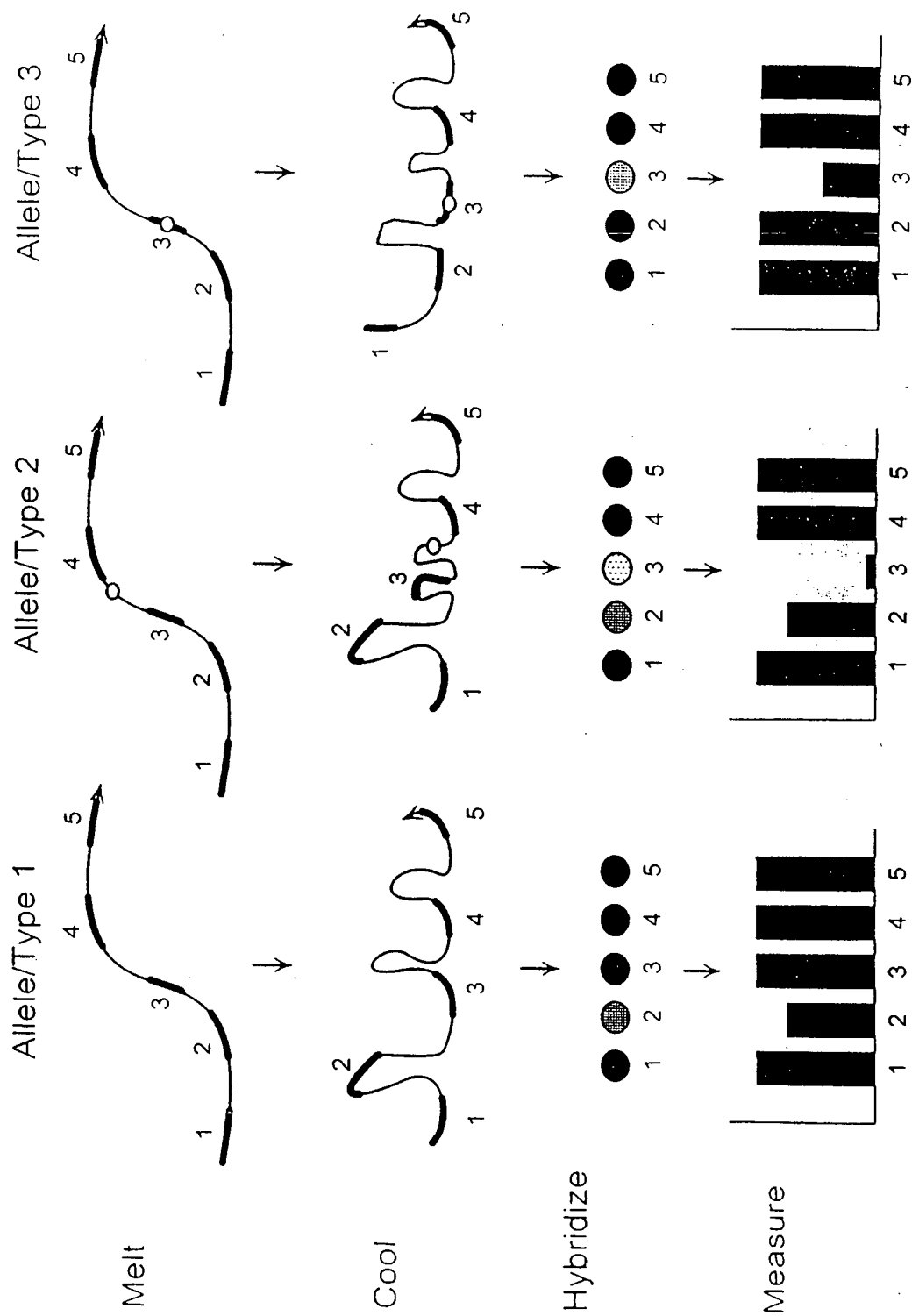


FIGURE 2

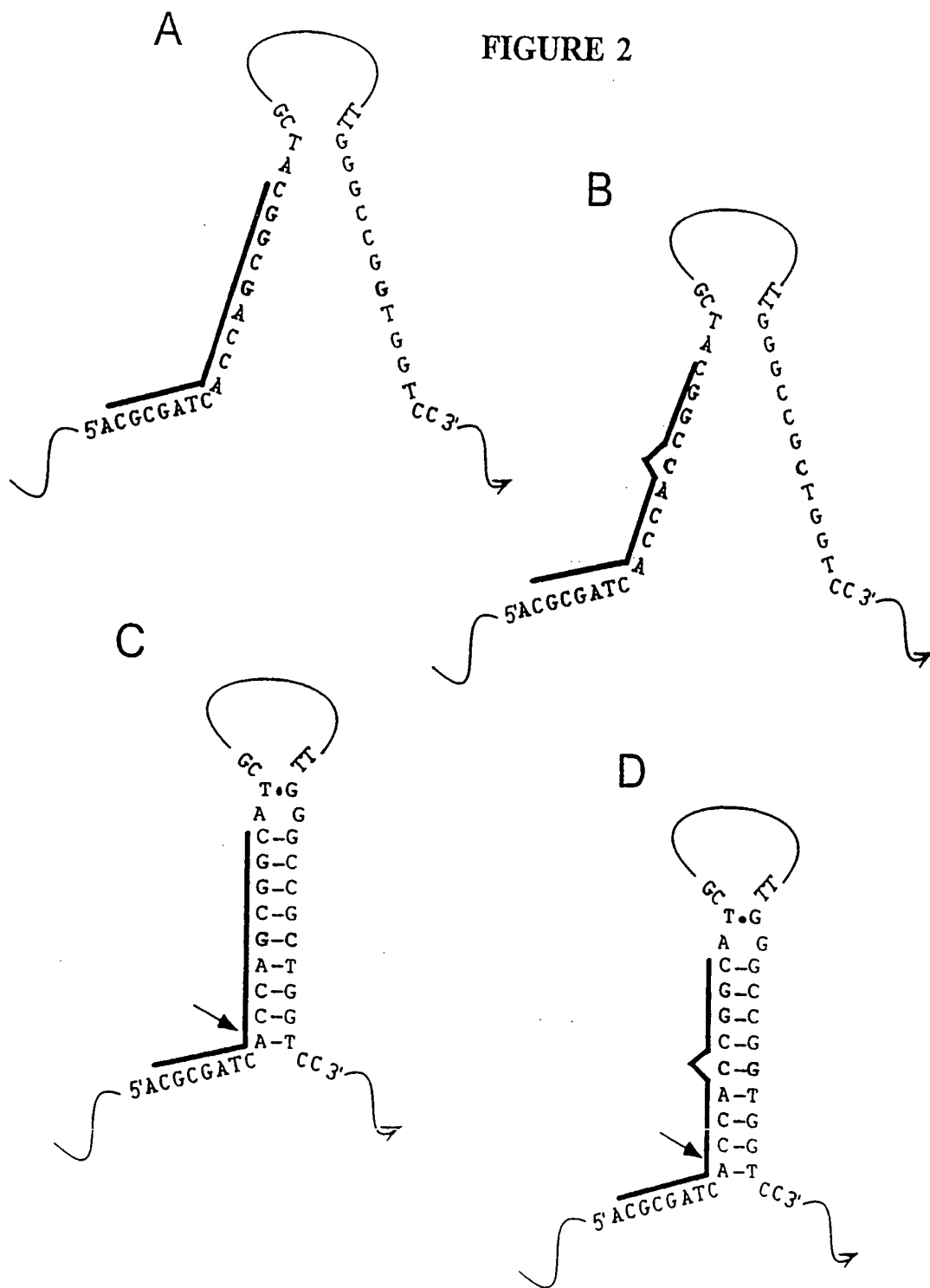


FIGURE 3

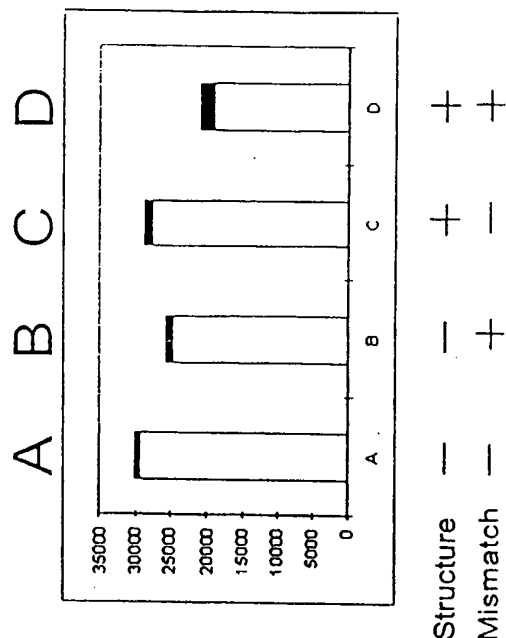
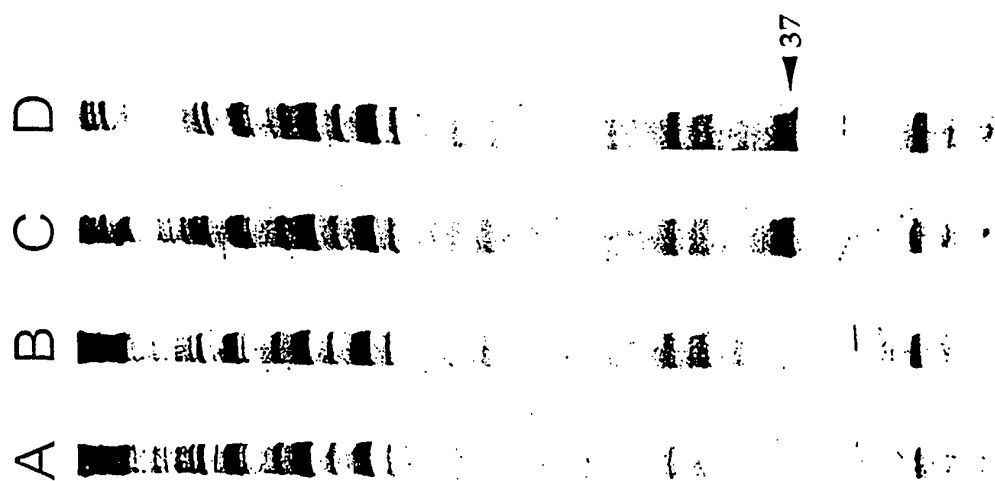


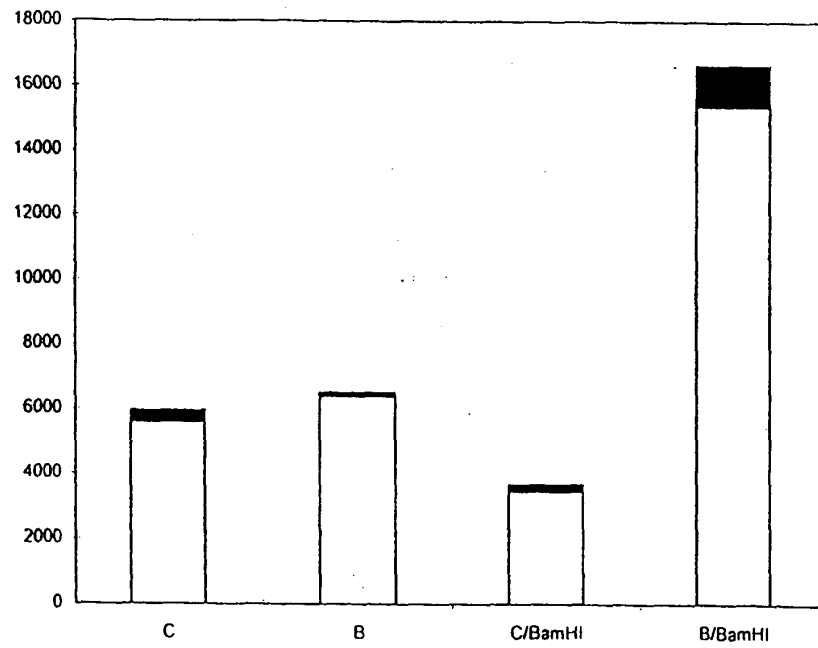
FIGURE 4

FIGURE 5



FIGURE 6

Consensus:	GATTCTGTCT	TCACGCAGAA	AGCGTCTAGC	CATGGCGTTA	GTATAGTGT	CGTGCAGCCT
HCV 1a	-----	-----	-----	-----	-----	-----
HCV 1b	-----	-----	-----	-----	-----	-----
HCV 2c	-----	-----	-----	-----	-----	-A-----
HCV 3a	-----	-----	-C-----	-----	-C-----	-----

	#249	#251
CCAGGACCCC	CCCTCCCGG <u>AGAGCCATAG</u>	<u>TGGTCTGCGG</u> AACC GG TGAG TACACCGGAA
-----	-----	-----
-T-----	-----	-----
-C-----	-----	-----
-----	-A-----	-----

#253	#257
TTGCCAGGAC <u>GACCGGGTCC</u>	TTTCTTGAT CAACCCGCTC AATGCCTGGA <u>GATTGGGCG</u>
-----	-----
-----	-----
-G--A--T	A--A--T--C--C
-C--TG--GT	-----A--CA--A

#40	#261	#263
TGCCCCCGCA <u>AGACTGCTAG</u>	CCGAGTAGTG <u>TTGGGTGCG</u>	AAAGGCCTTG TGGTACTGCC
-----	-----	-----
-G-----	-----	-----
-----	-C-----	-----
-G-----	-TCA-----	-----

TGATAGGGTG	CTTGCGAGTG	CCCCGGGAGG	TCTCGTAGAC	CGTGAATC
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-A-----	-----	-----	-----
-----	-----	-----	-----	-----

FIGURE 7

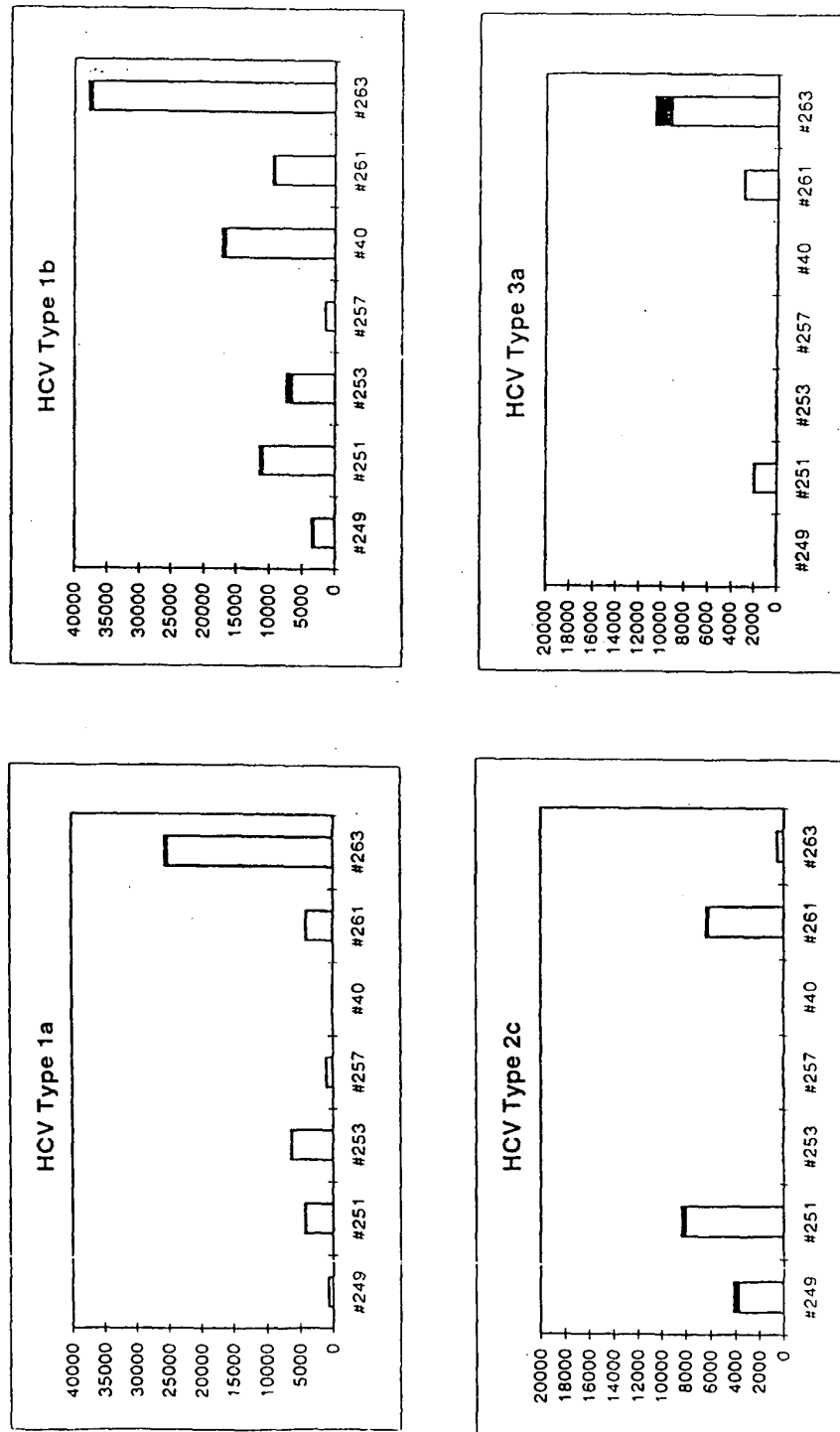


FIGURE 8A

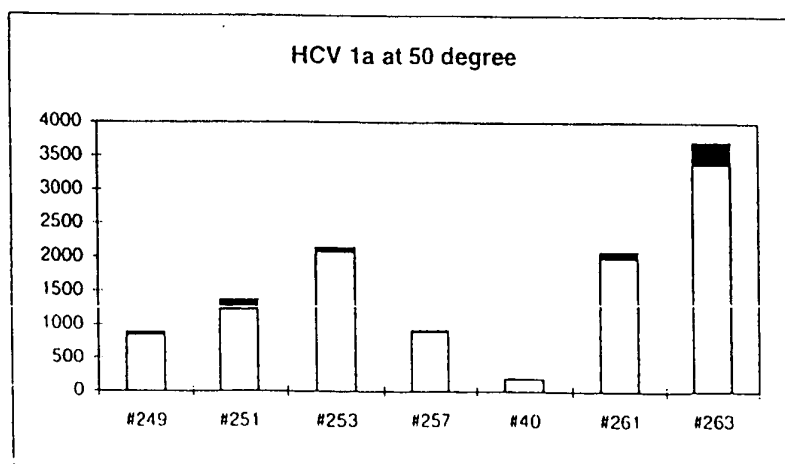
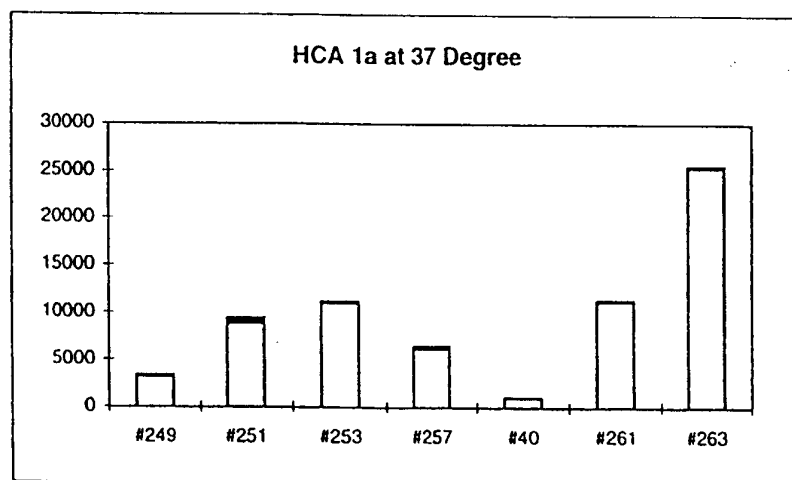
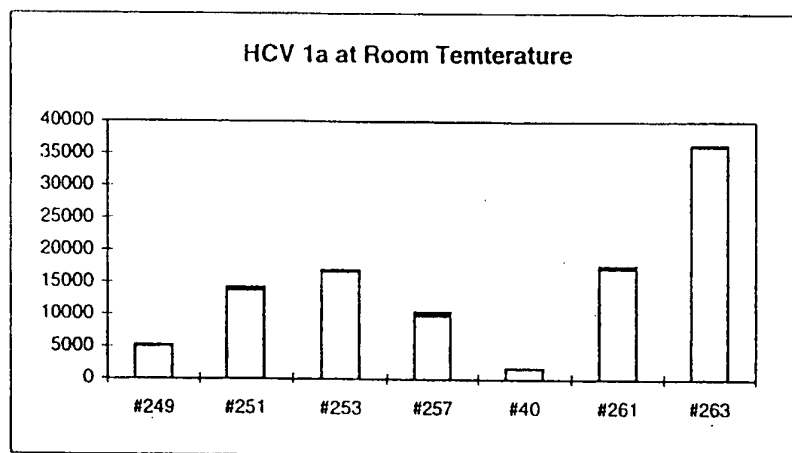


FIGURE 8B

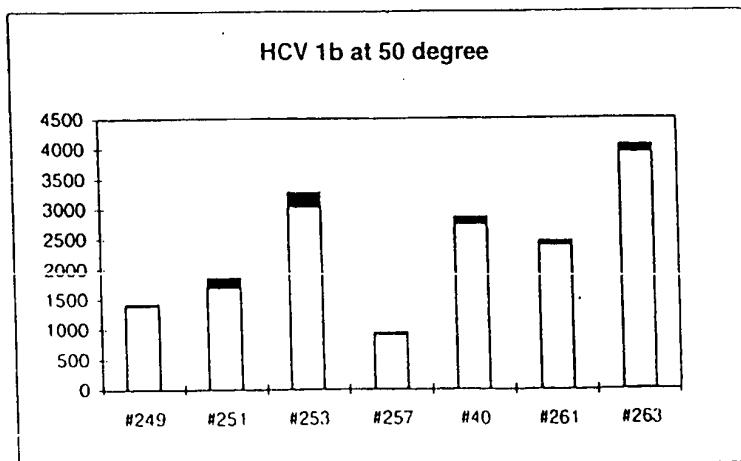
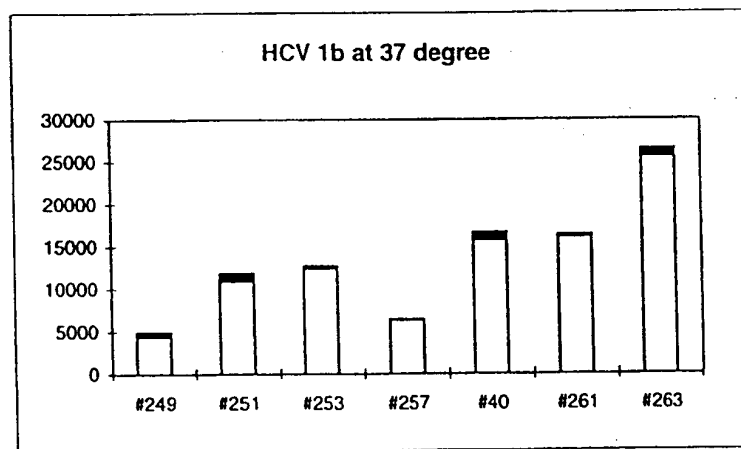
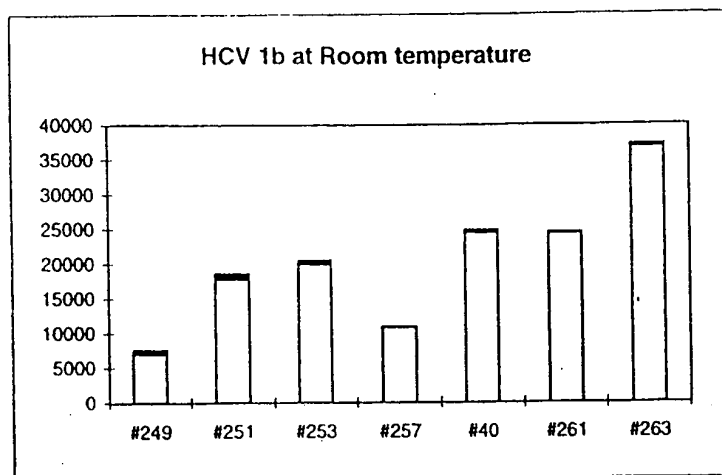


FIGURE 8C

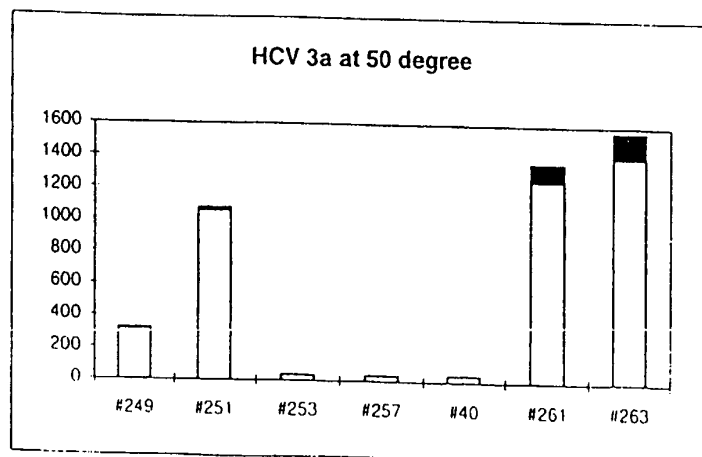
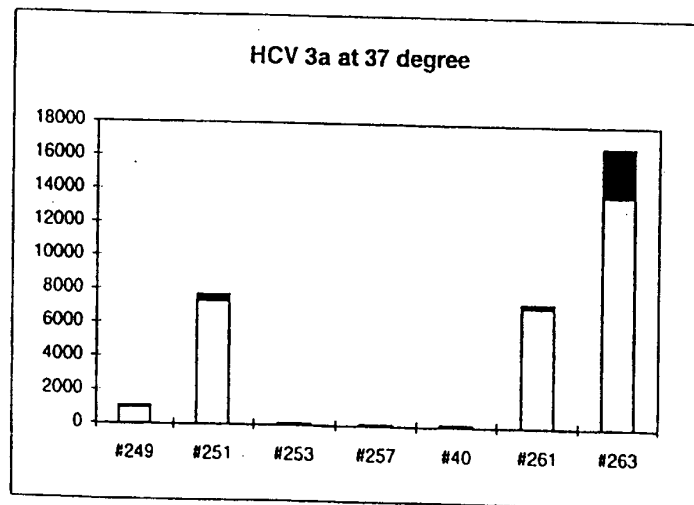
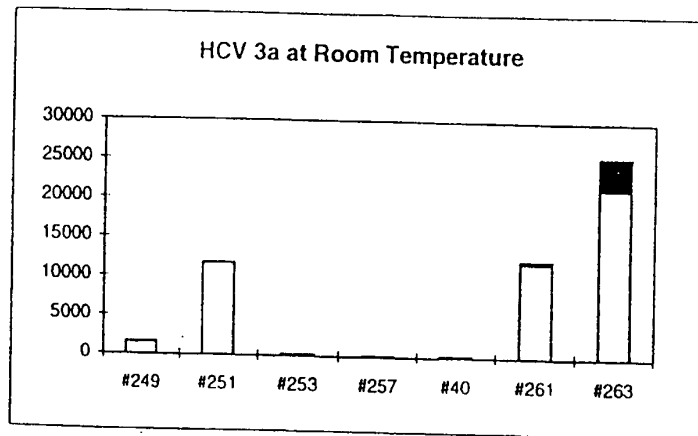


FIGURE 9A

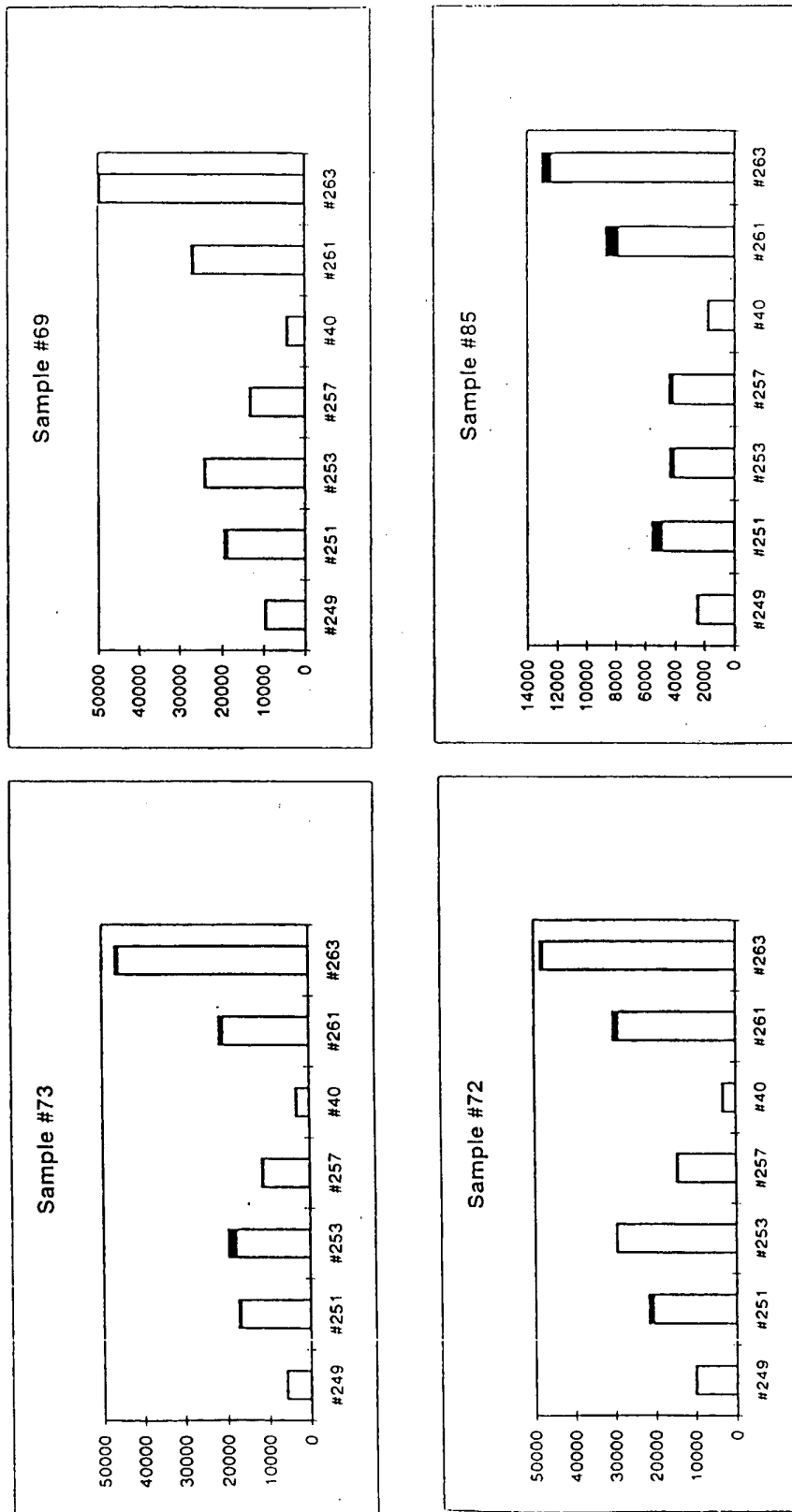


FIGURE 9B

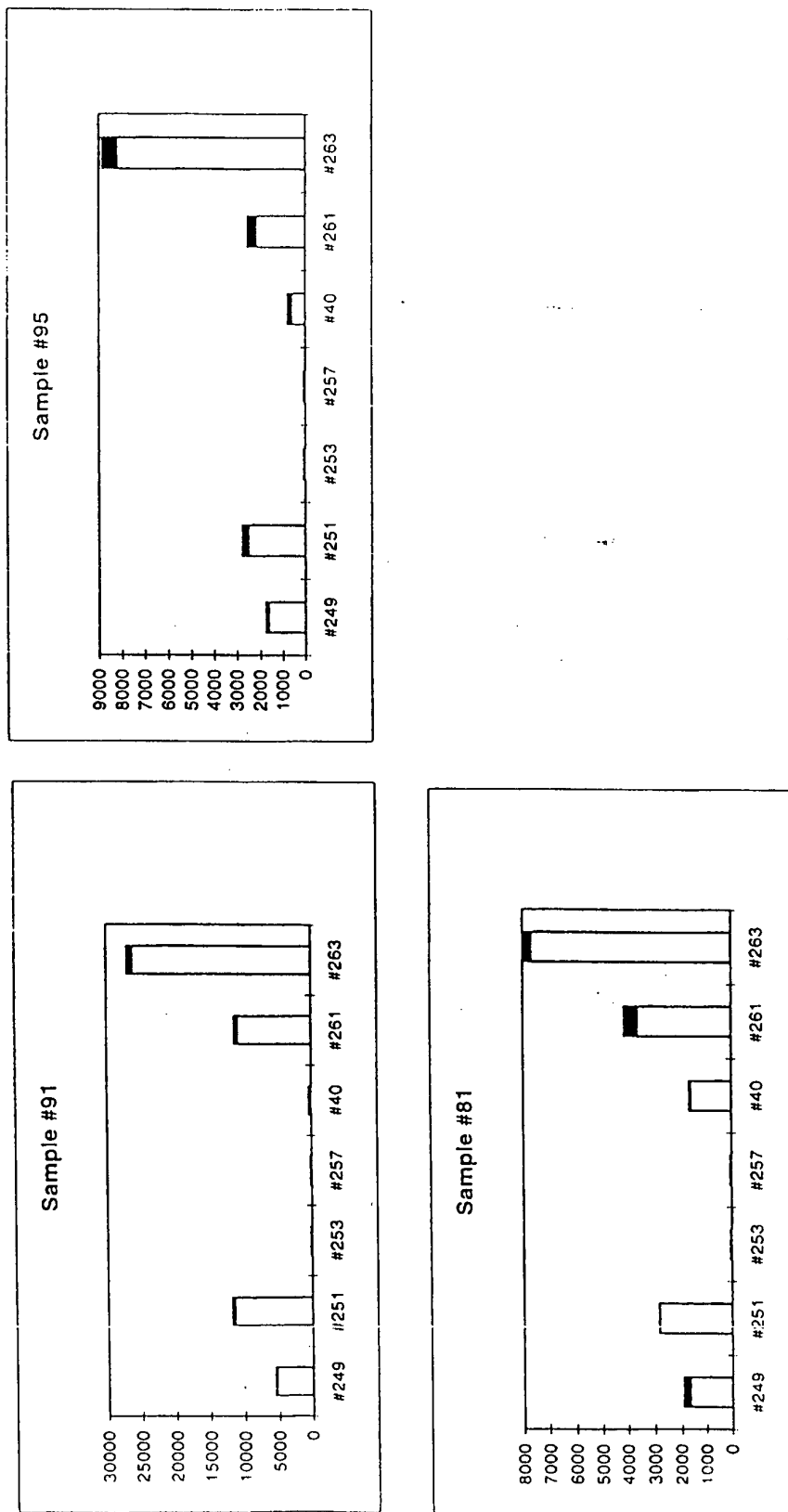


FIGURE 9C

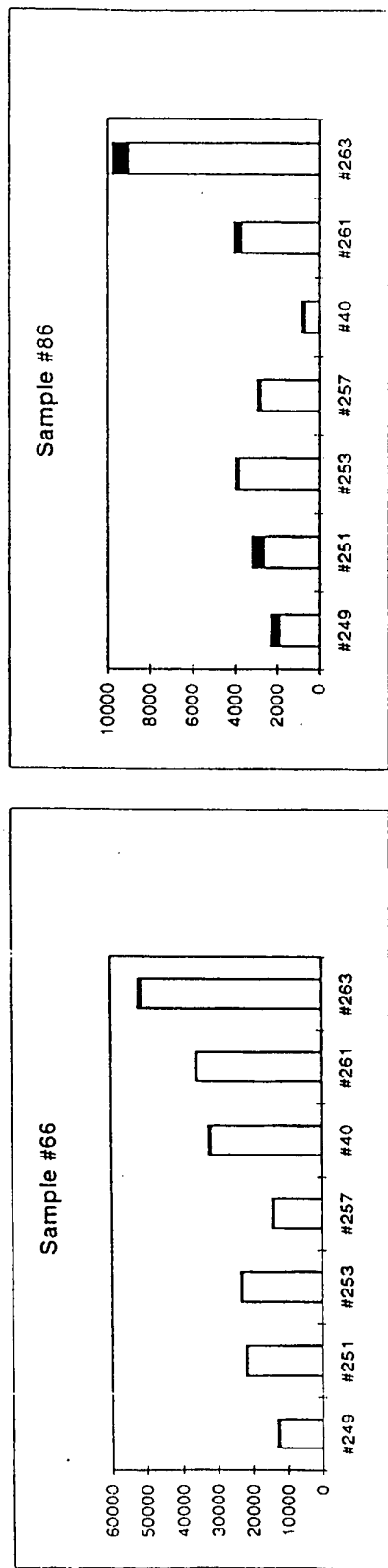


FIGURE 9D

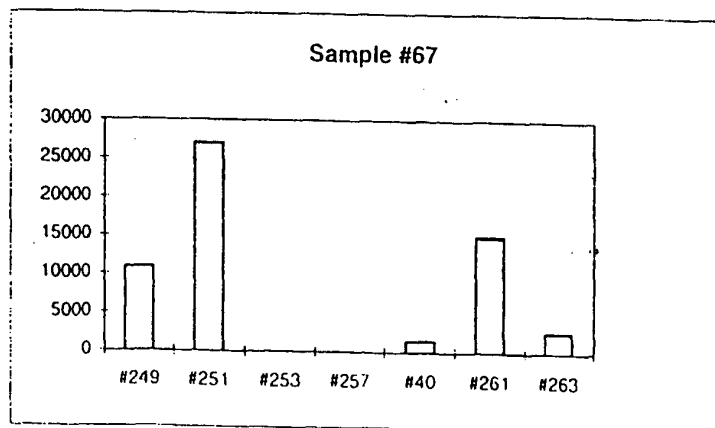
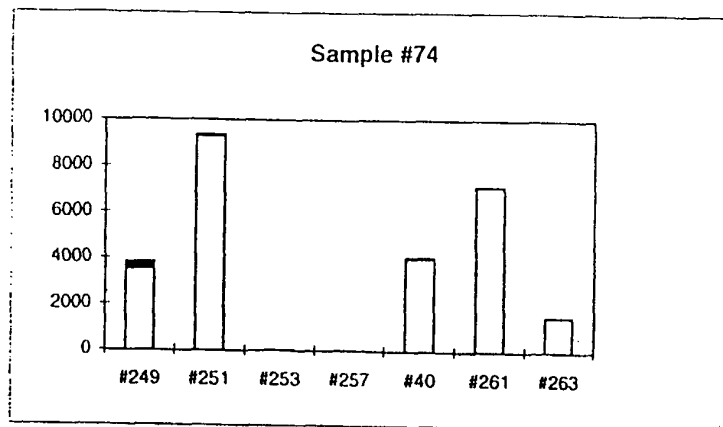


FIGURE 10

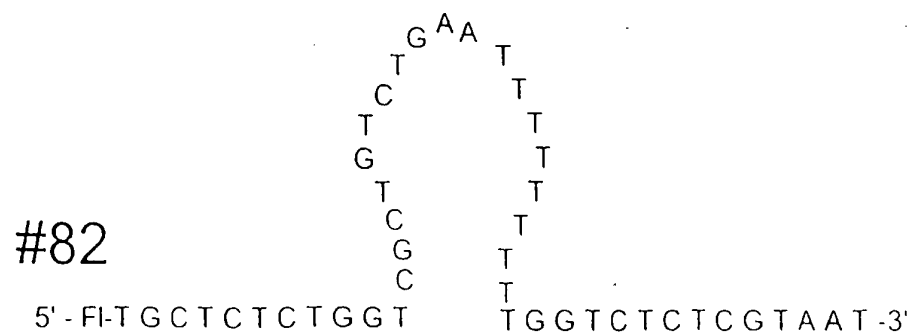
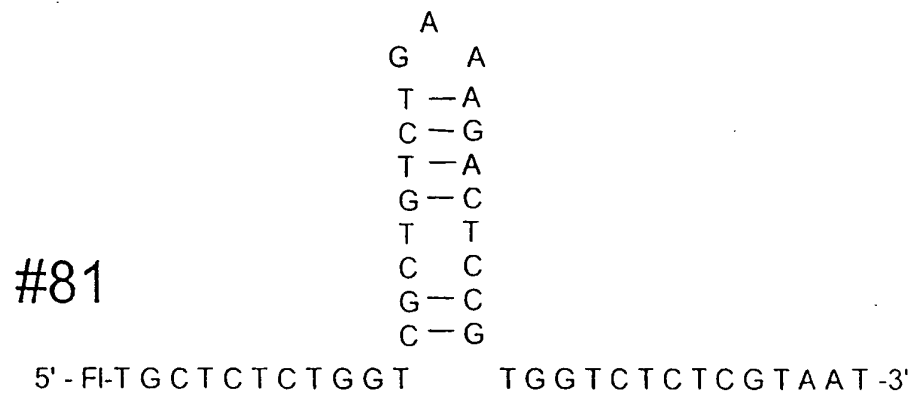
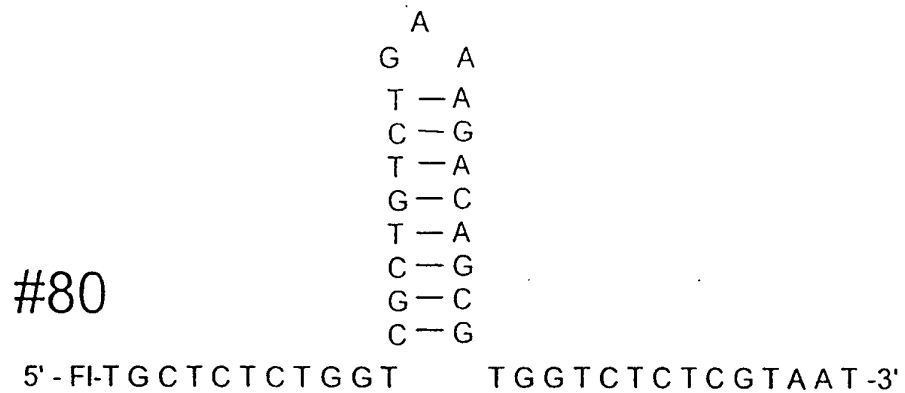


FIGURE 11A

#2) 5' Biotin

```

      |
      T   A
    C   G   A
    A   T—A
    G   C—G
    A   T—A
    C   G—C
    A   T—A
    G   C—G
    C   G—C
    G   C—G
  
```

#80) 5' - FI-TGCTCTCTGGT TGGTCTCTCGTAAT-3'

#FD91) 3' Biotin - CGAGAGACCA - 5'

```

      A
    G   A
    T—A
    C—G
    T—A
    G—C
    T—A
    C—G
    G—C
    C—G
  
```

#80) 5' - FI-TGCTCTCTGGT TGGTCTCTCGTAAT-3'

#78) 3' - AGACCATTACCAGA -Biotin 5'

#4) 3' - GAGACCATTACCAGAG -Biotin 5'

#79) 3' - AGAGACCATTACCAGAGA -Biotin 5'



#116) 3' - AGAGACCAACCAGAGA -Biotin 5'

#117) 3' - TACCAGAGA -Biotin 5'

#118) 3' - AGAGACCAT - 5'

FIGURE 11B

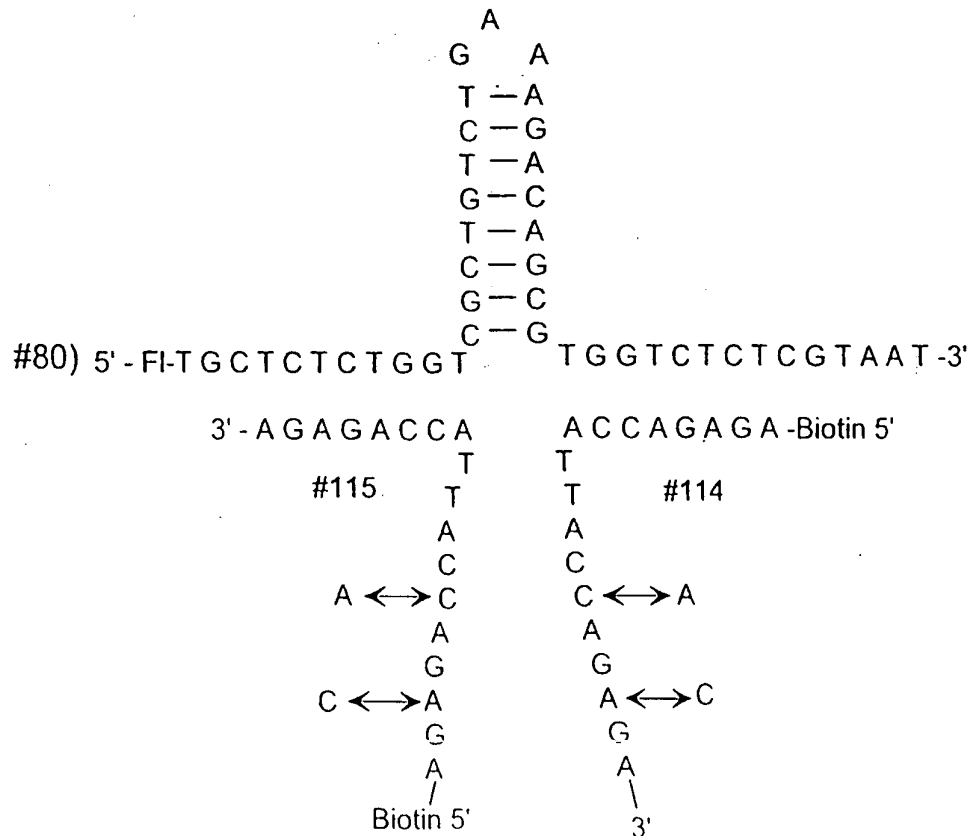
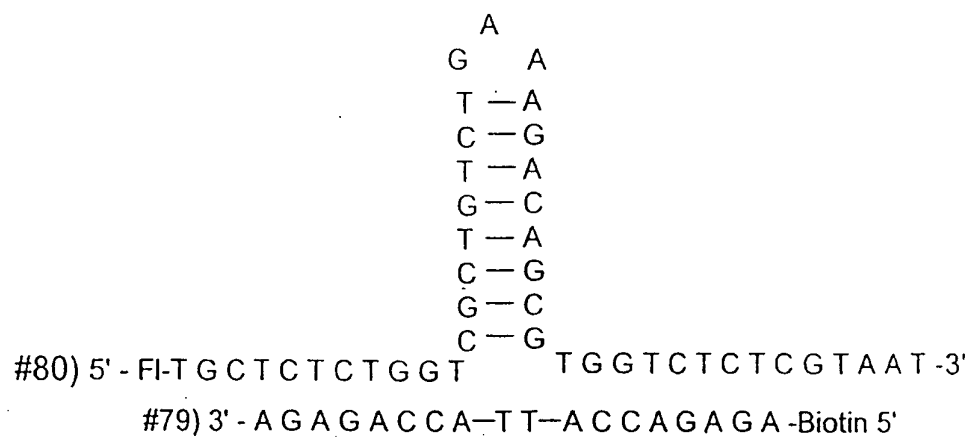


FIGURE 12

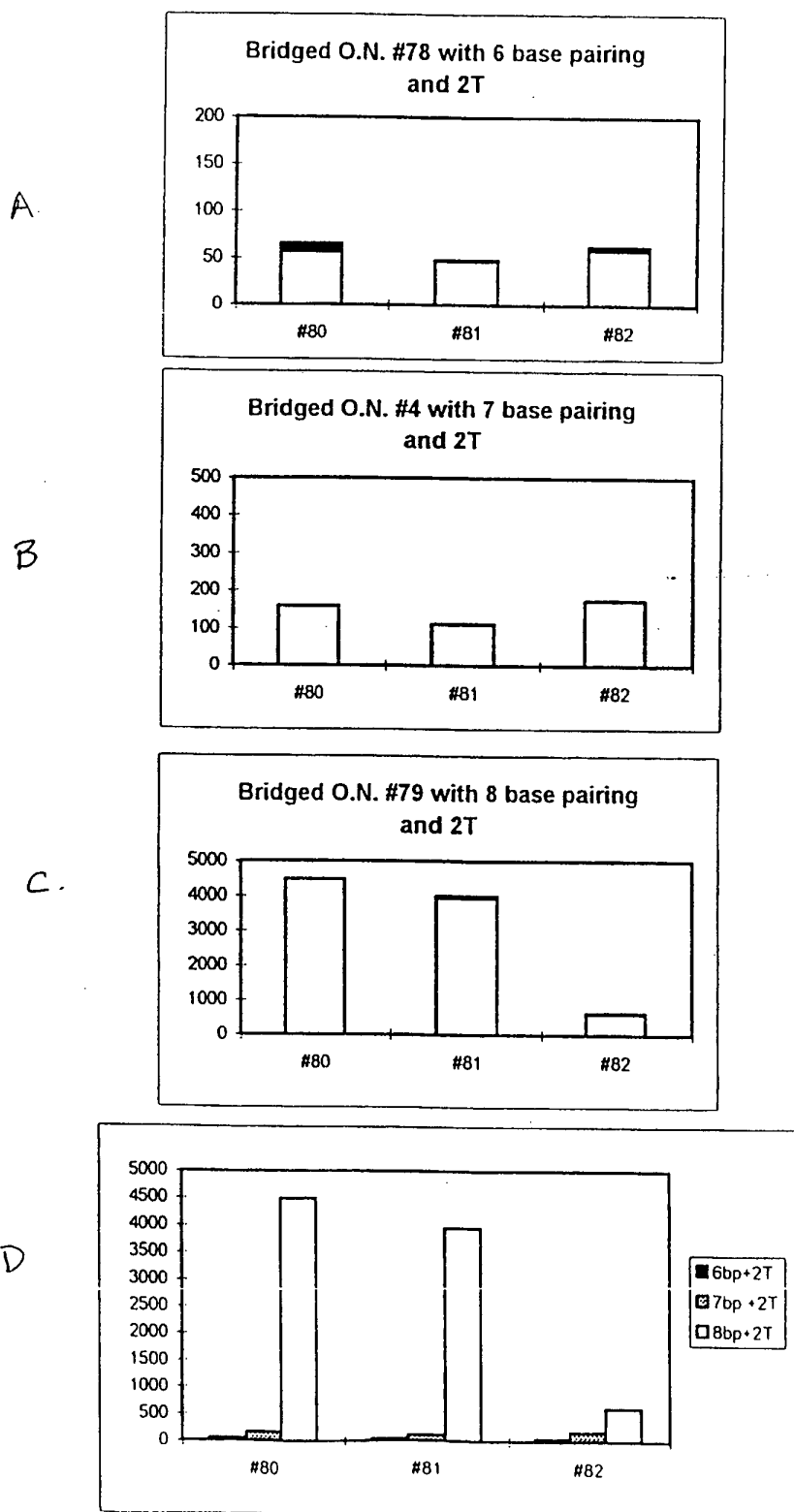


FIGURE 13A

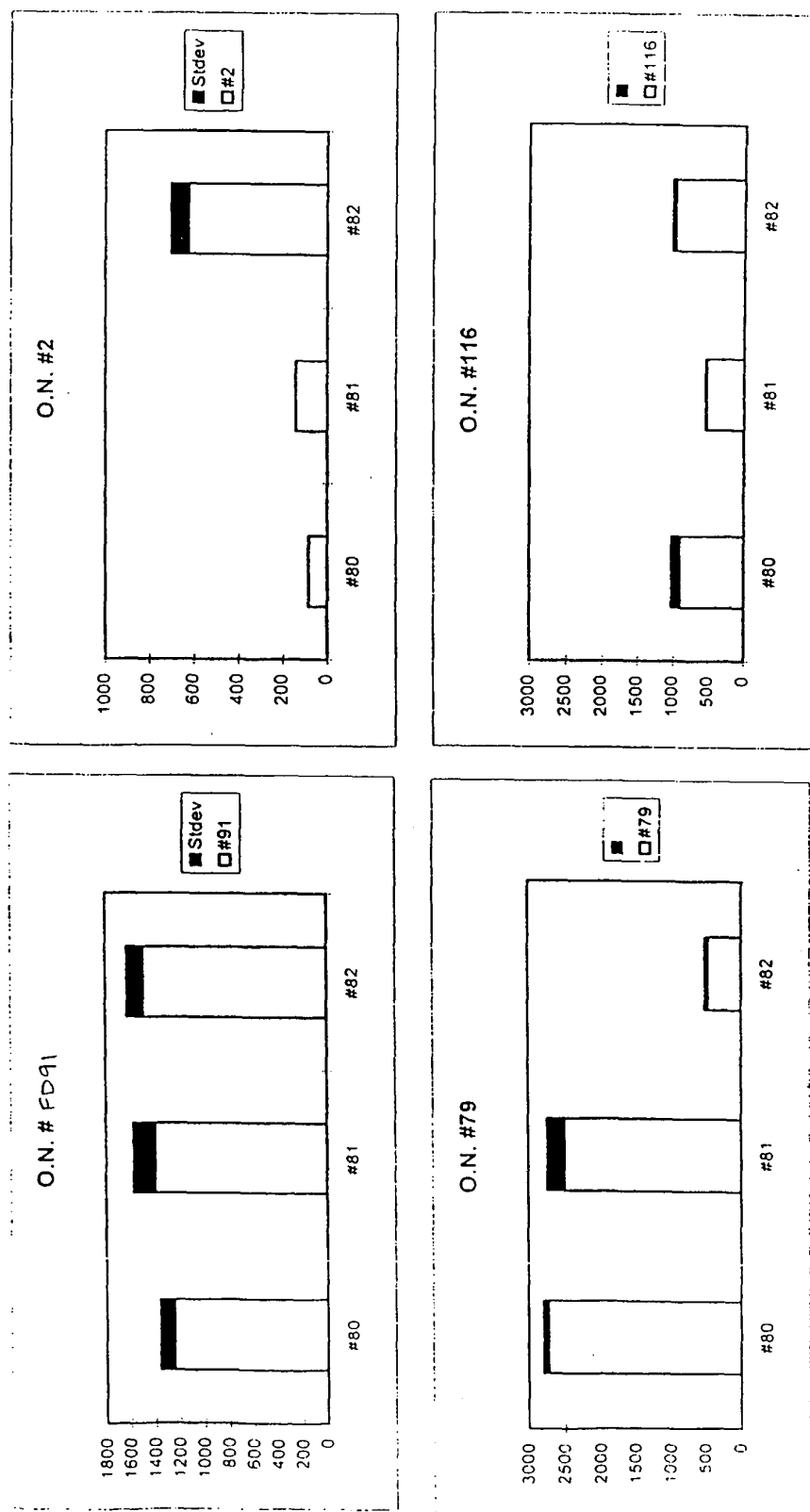


FIGURE 13B

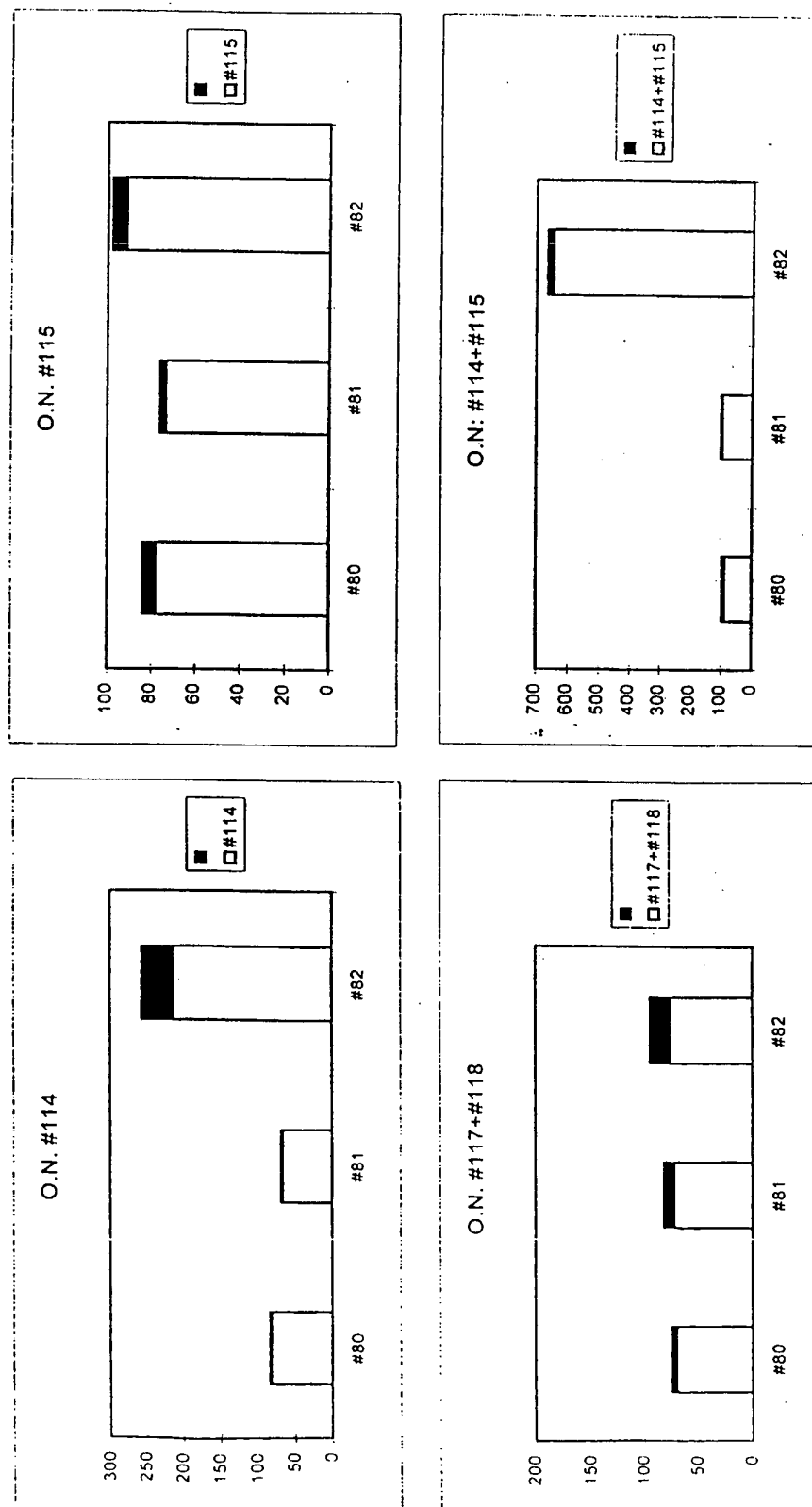
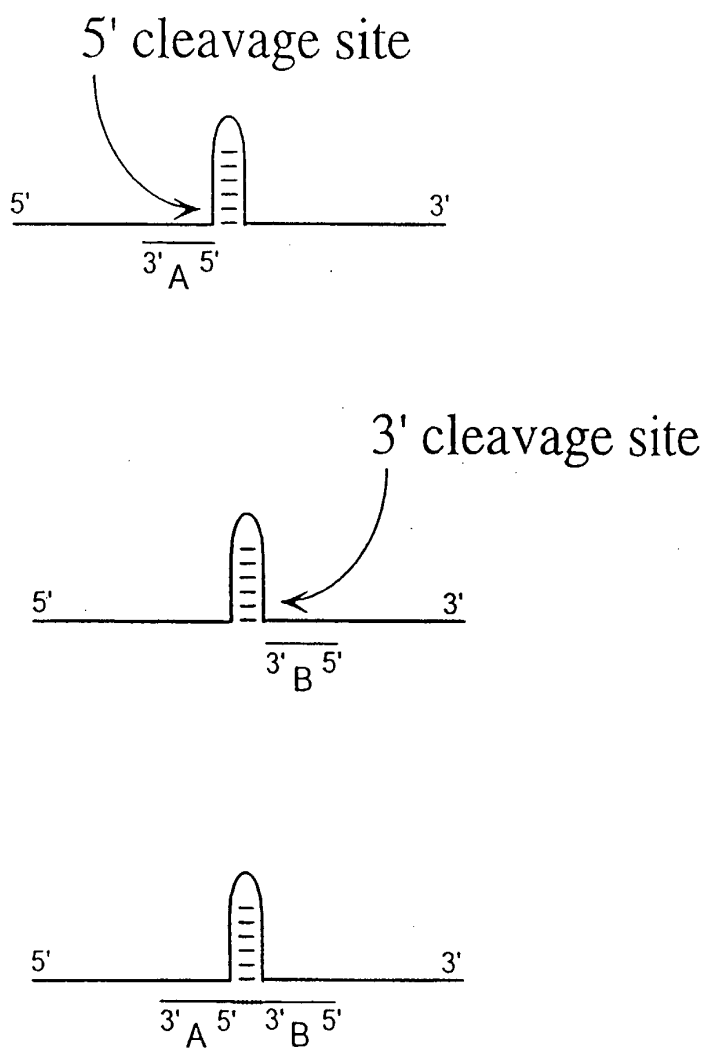


FIGURE 14



```

1-----10-----20-----30-----40-----50-----60-----70-----80
1a  CTCGCAAGCACCCCTATCAGGCAGTACCACAAGGCCTTTTCGCGACCCAACTACTCGGCTAGCAGTCTTGC GGGGCACG
1b  .....
2a/c .....
3a  .....TGA...C.....

-----90-----100-----110-----120-----130-----140-----150-----160
1a  CCCAAATCTCAGGCATTGAGCGGGTTATCCAAGAAAGACCCGGTCTGCTGGCAATTCCGGGTGTA CTACCCGGTTCC
1b  .....G.....
2a/c .....A...T...C.....
3a  .....T...GT.....AC...CA...G.....

-----170-----180-----190-----200-----210-----220-----230-----240-----
1a  GCAGACCACTATGGCTCTCCCGGAGGGGGGTCCCTGGAGGCTGCACGACACTCATACTAACGCCCATGGCTAGACGCTTCTCG
1b  .....
2a/c .....G.....T.....
3a  .....G.....

```

FIGURE 16A

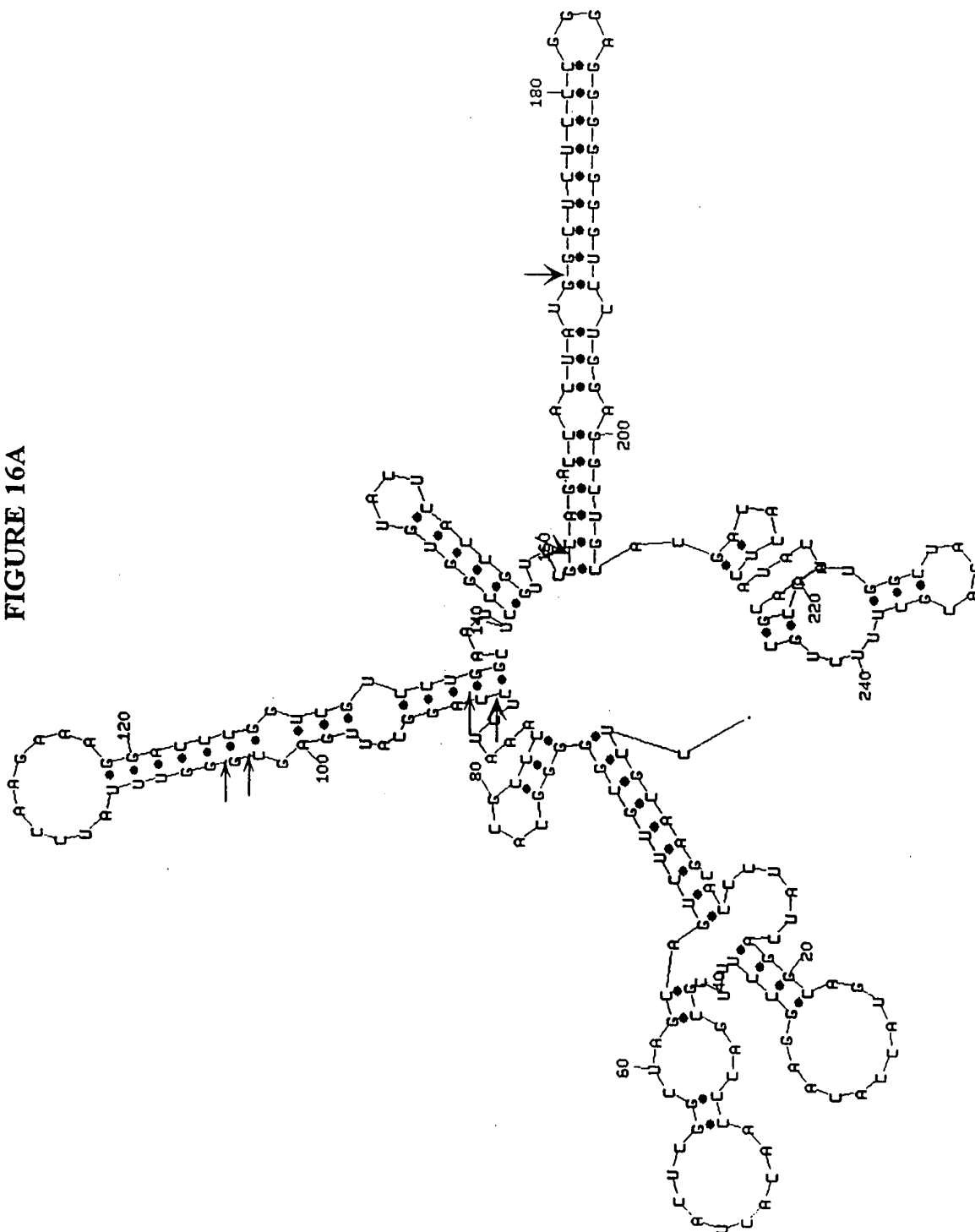


FIGURE 16B

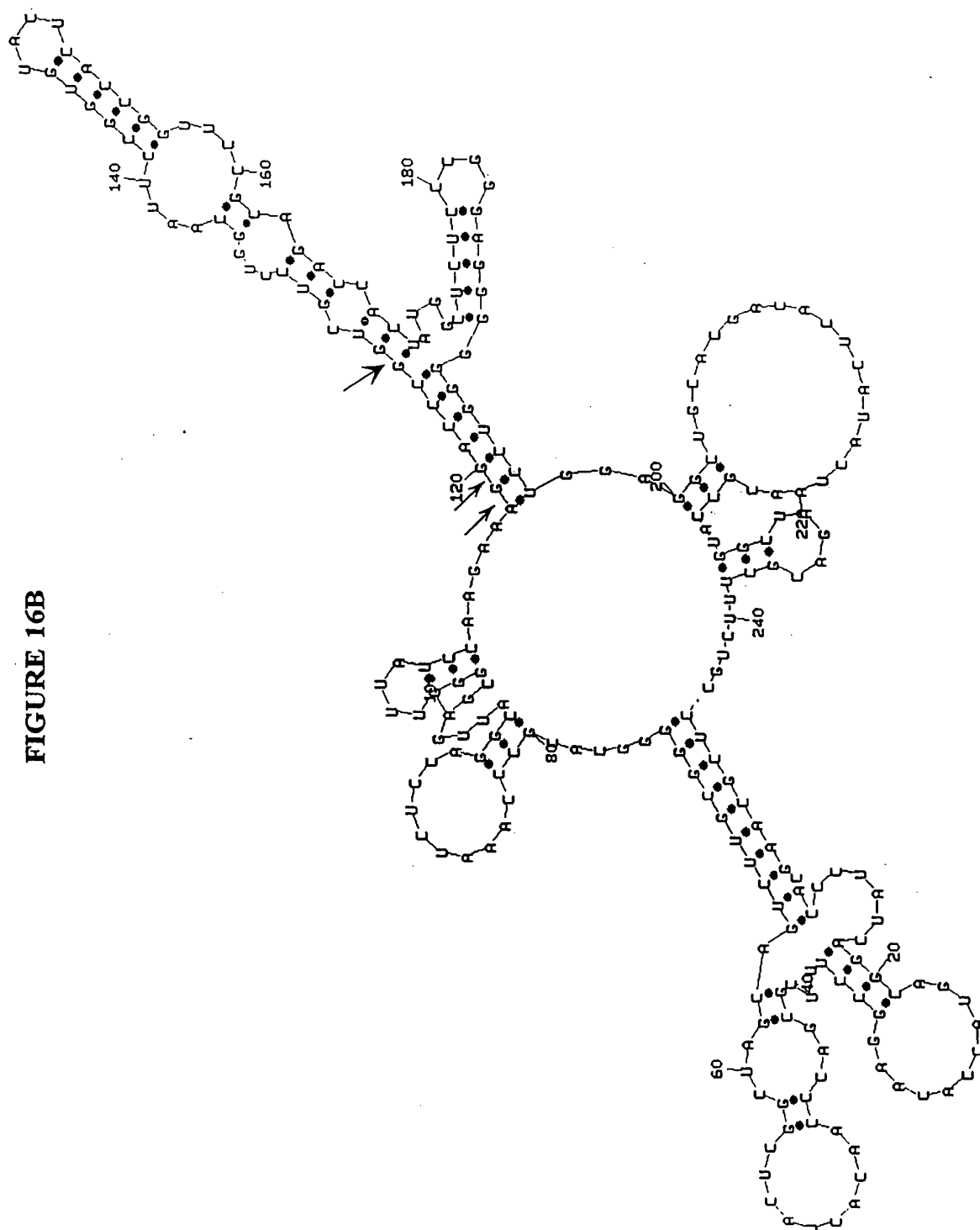
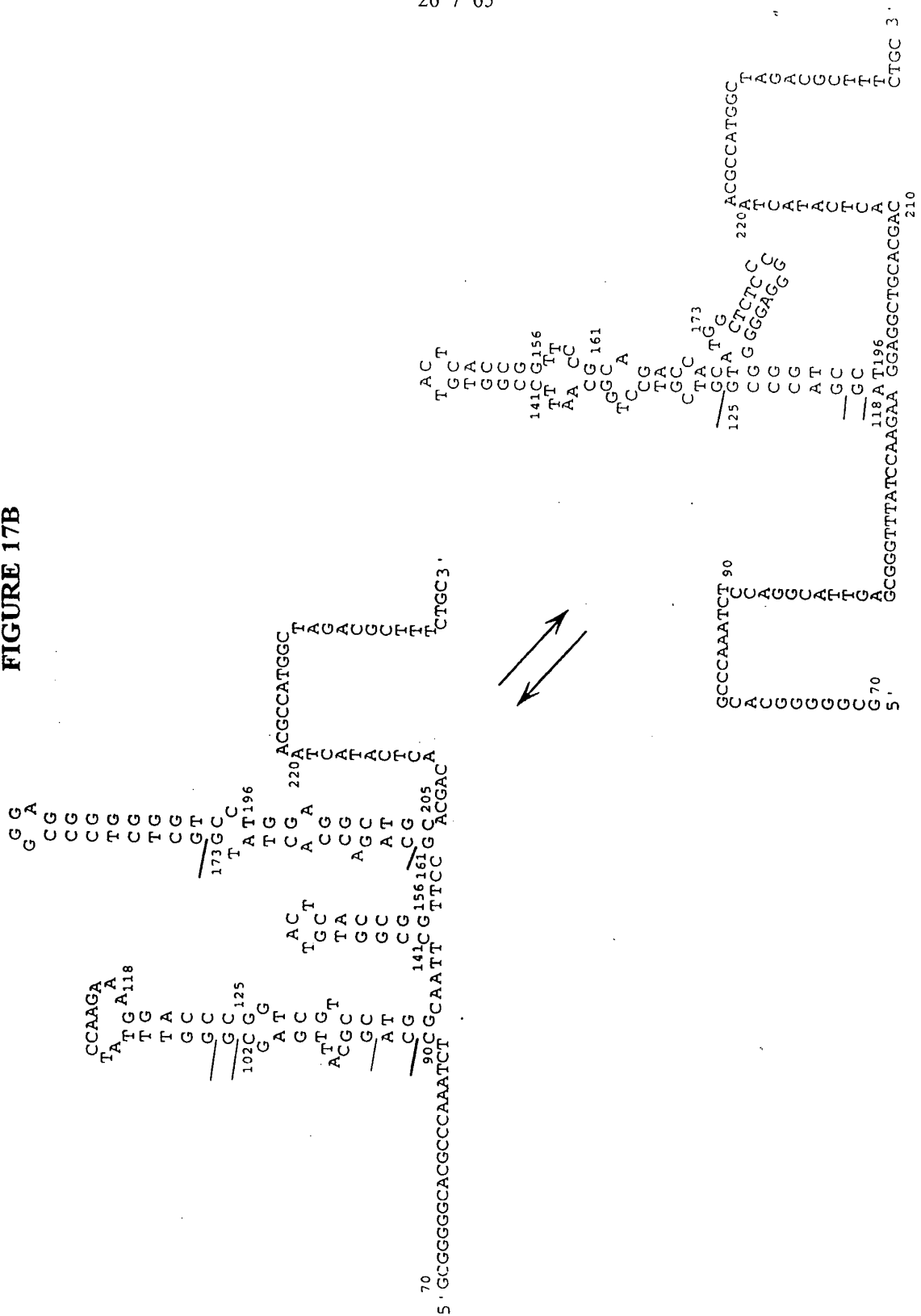


FIGURE 17A



FIGURE 17B



[illegible]

FIGURE 18A

HCV 1a

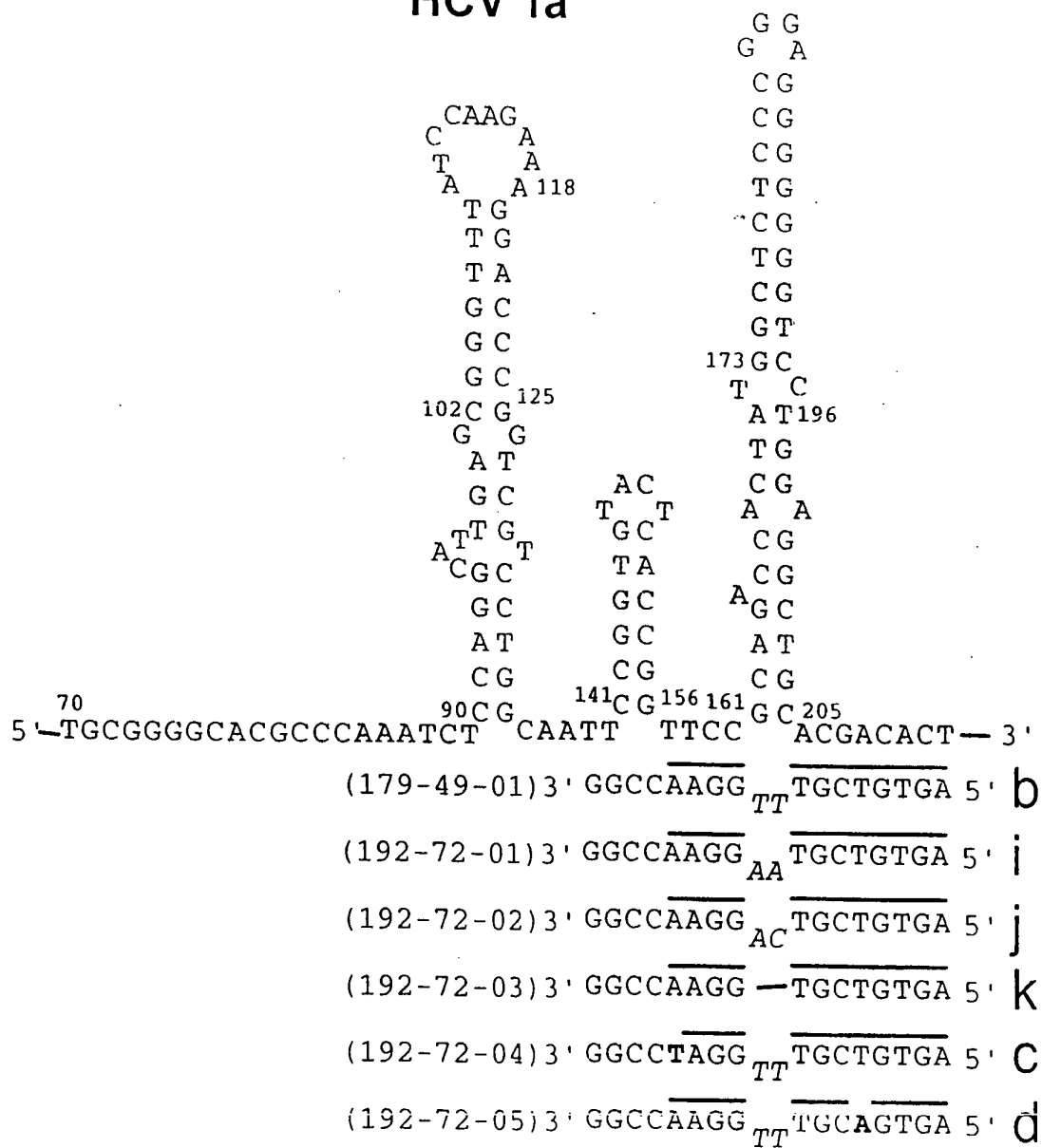


FIGURE 18B

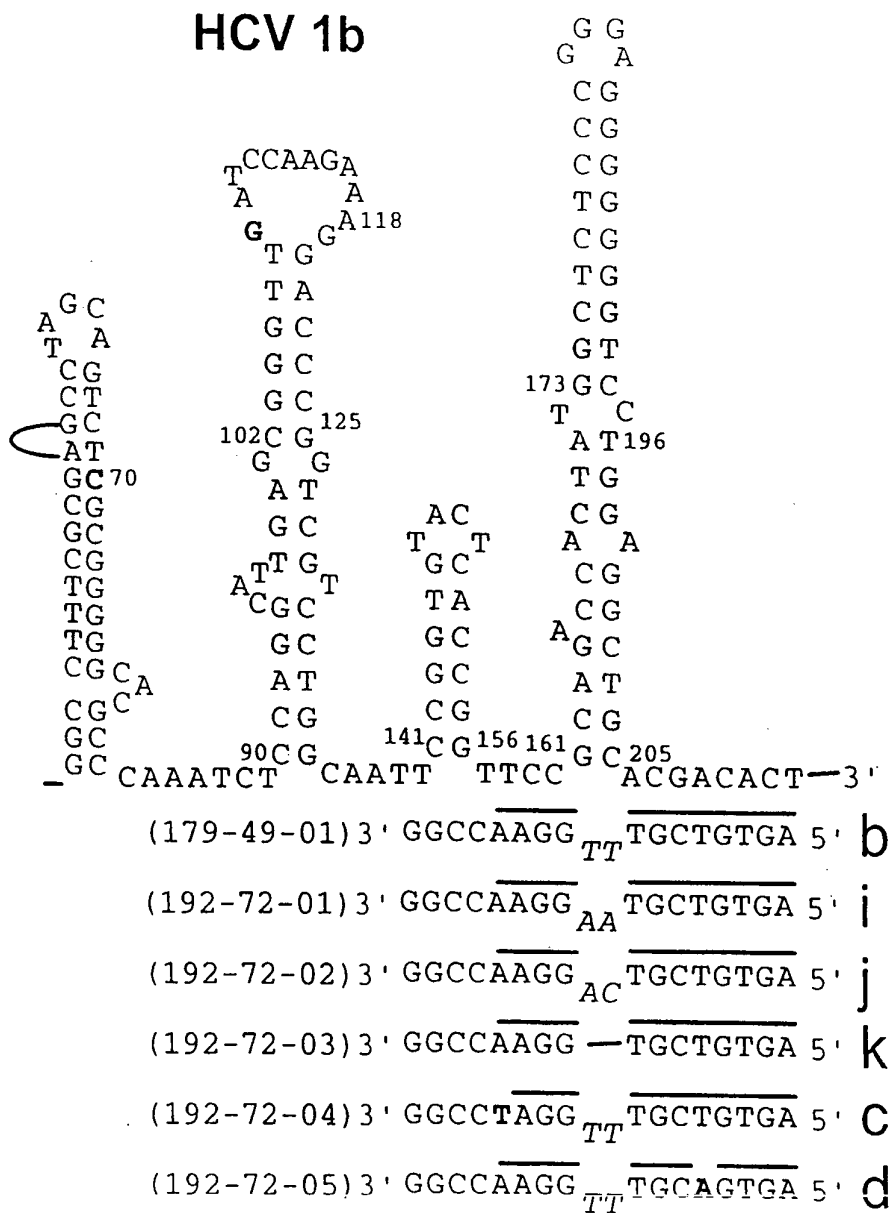


FIGURE 18C

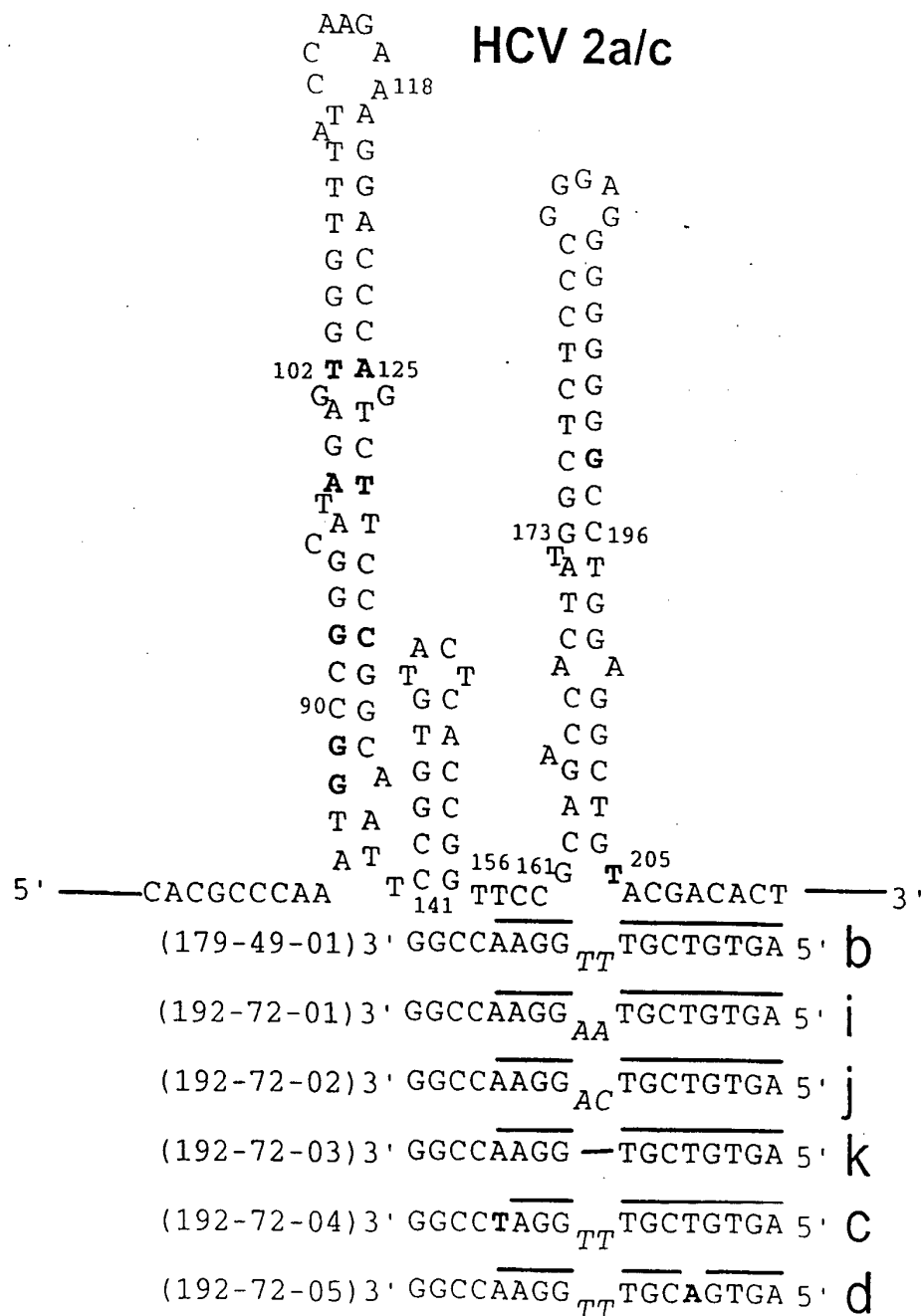


FIGURE 18D

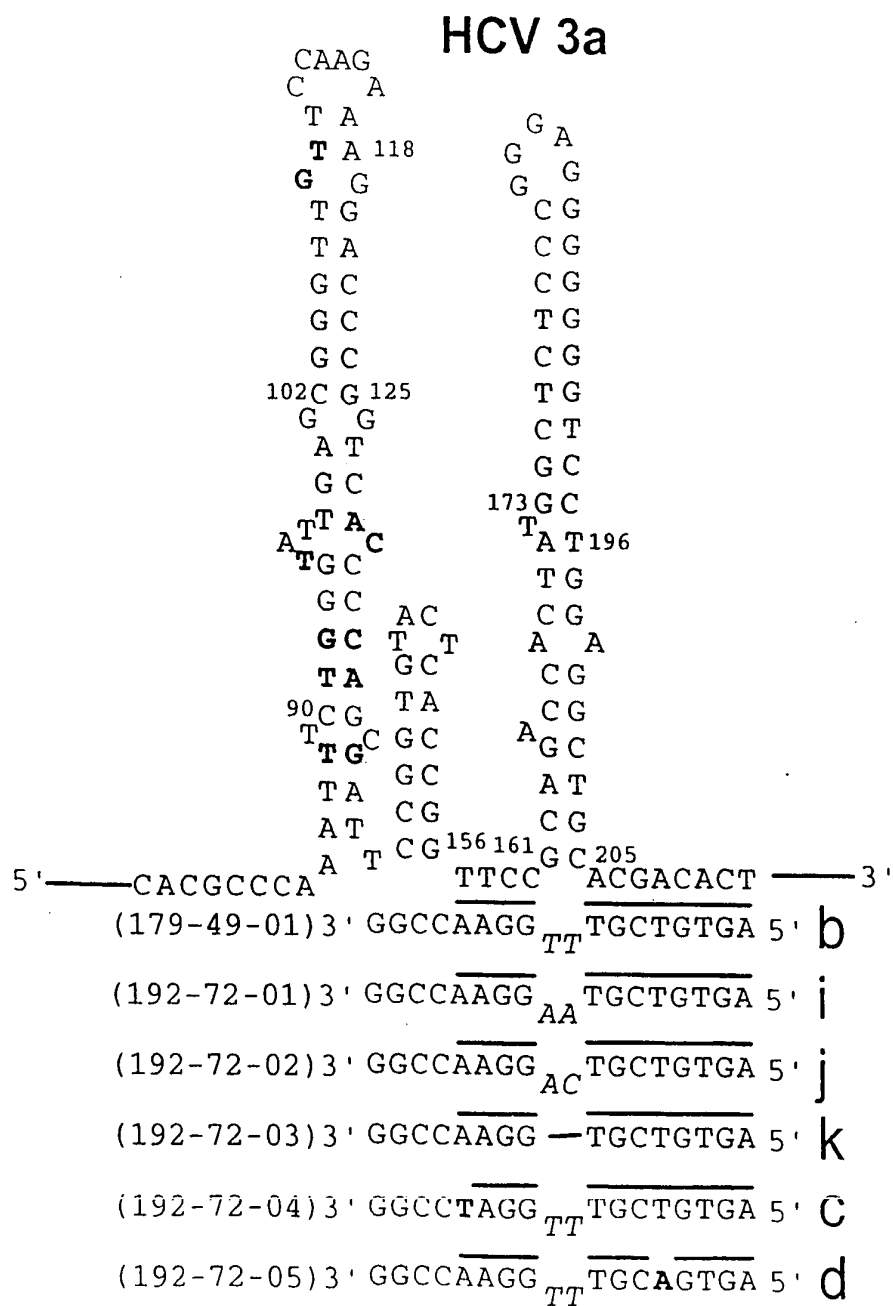


FIGURE 19

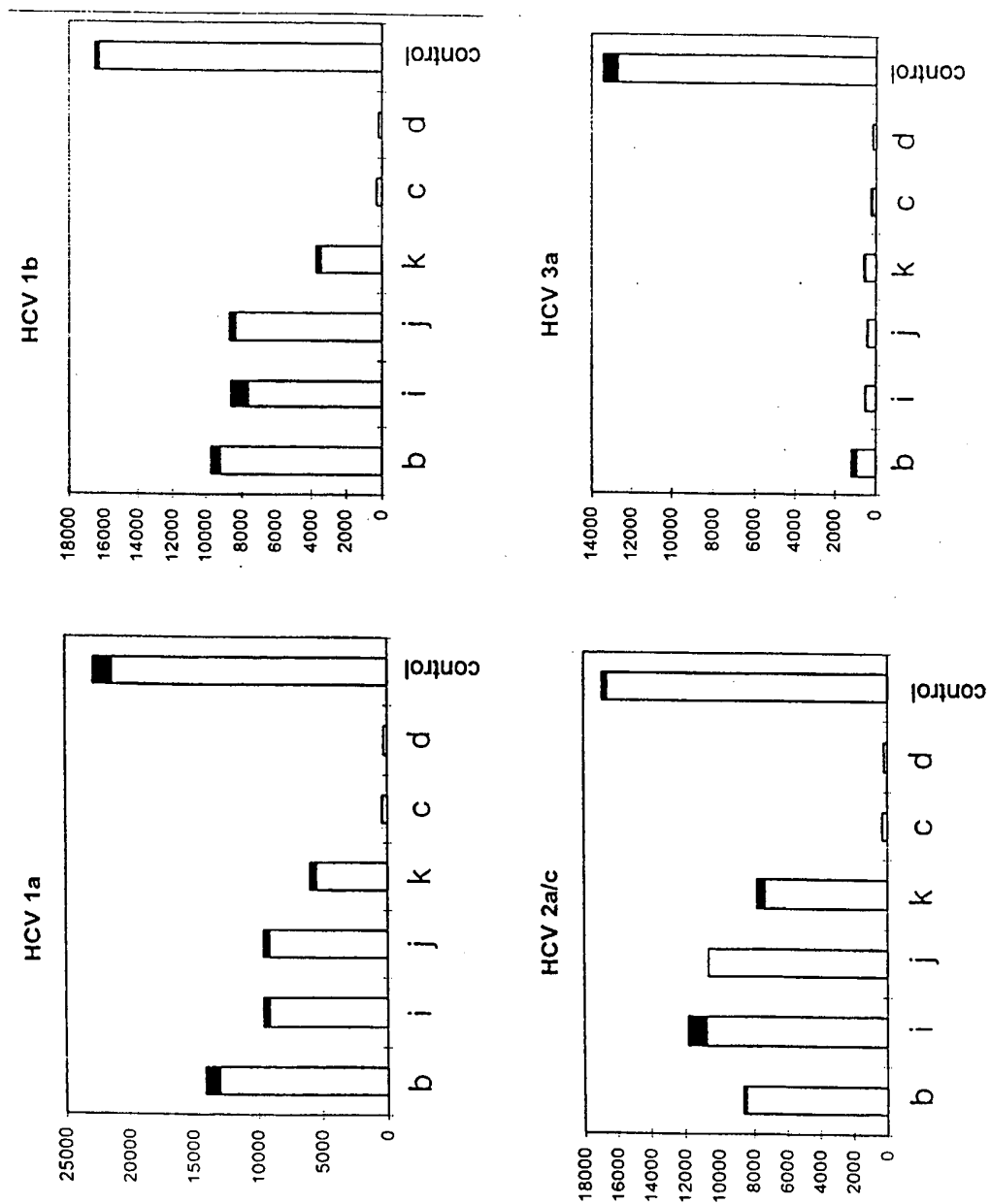


FIGURE 20A

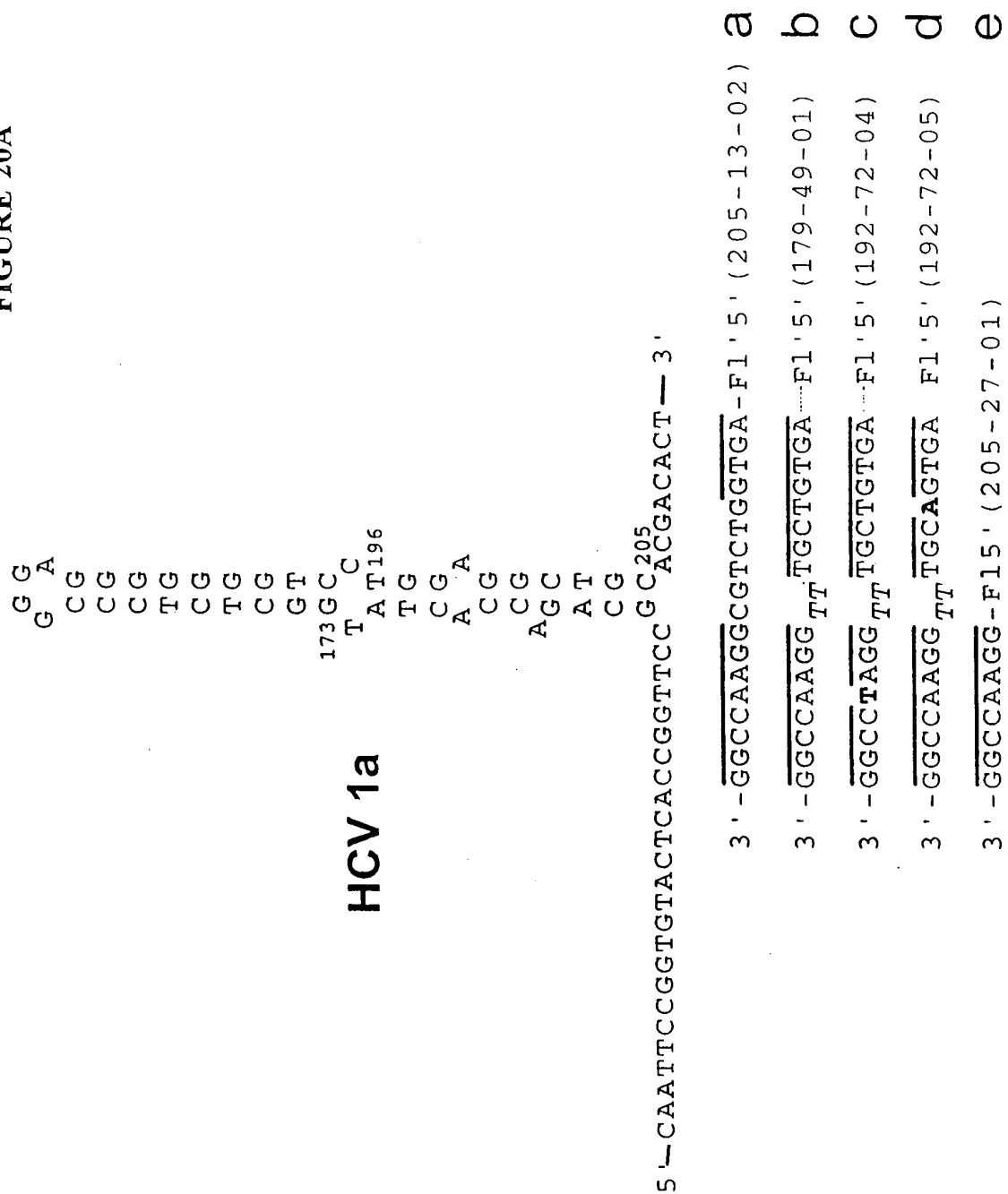


FIGURE 23

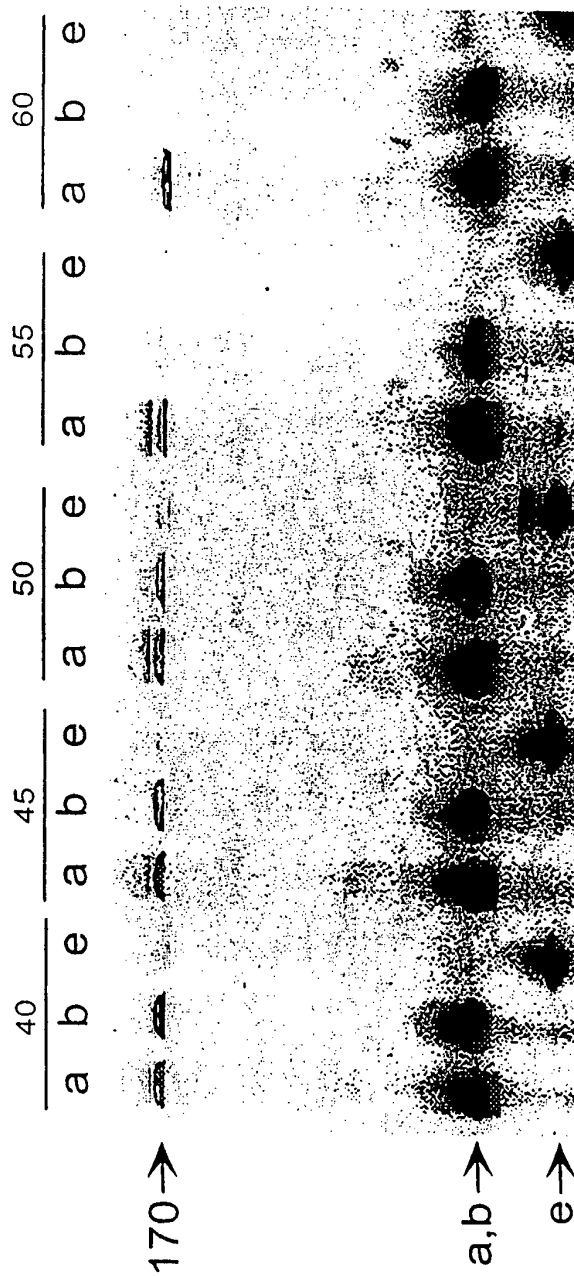


FIGURE 24

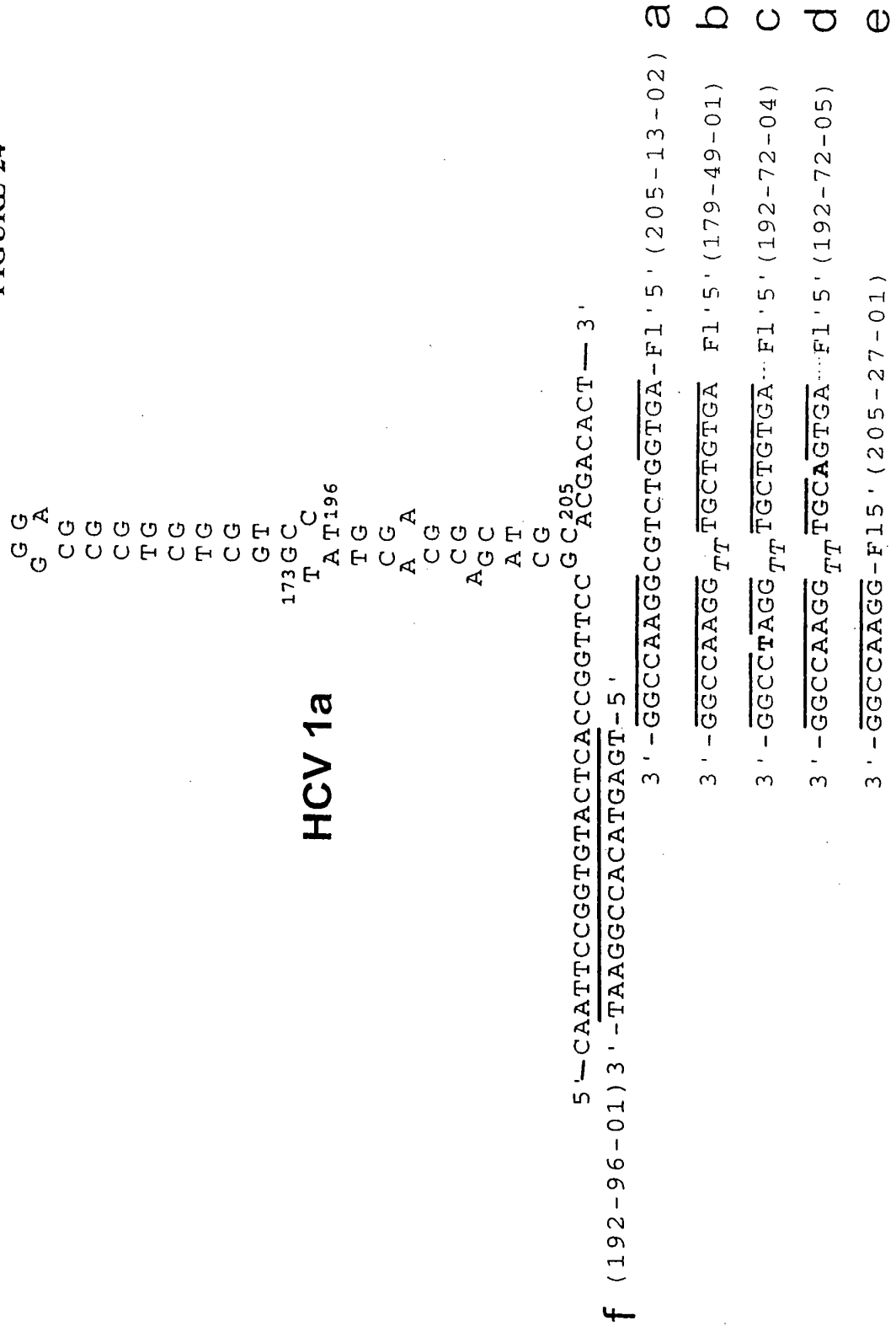


FIGURE 25

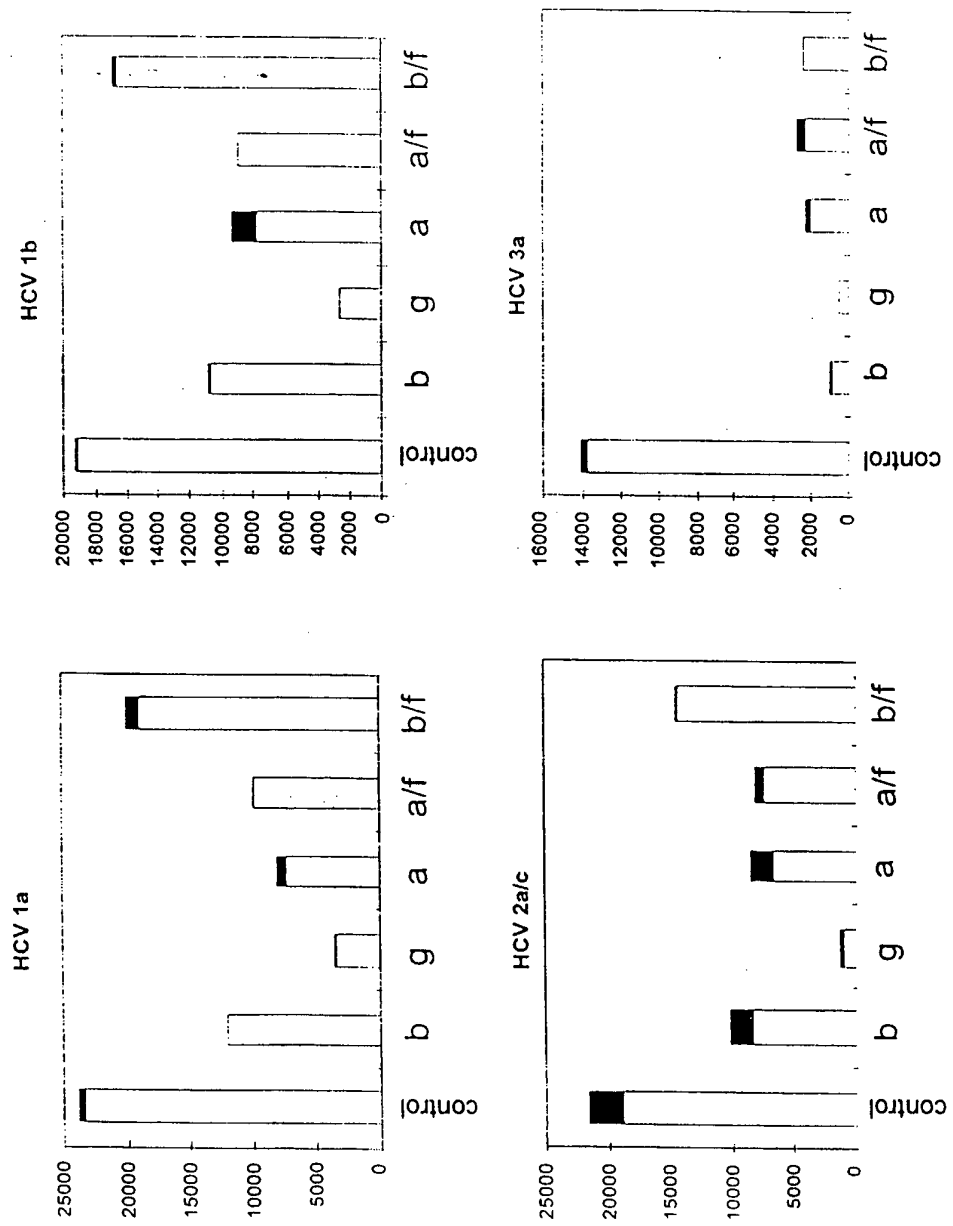


FIGURE 26

5' - ATTCCGGTGTA CTCACCGGTTCCAAACGACACT - 3' (205-13-01) **S.T.**
f (192-96-01) 3' - TAAGGCCACATGAGT - 5'
 3' - GGCCAAGCGCTCTGGTGA - 5' (205-13-02) **a**
 3' - GGCCAAGG _{TT} TGCTGTGA - 5' (179-49-01) **b**
 3' - GGCCTAGG _{TT} TGCTGTGA - 5' (192-72-04) **c**
 3' - GGCCAAGG _{TT} TGCAGTGA - 5' (192-72-05) **d**
 3' - GGCCAAGG - 5' (205-27-01) **e**

FIGURE 28

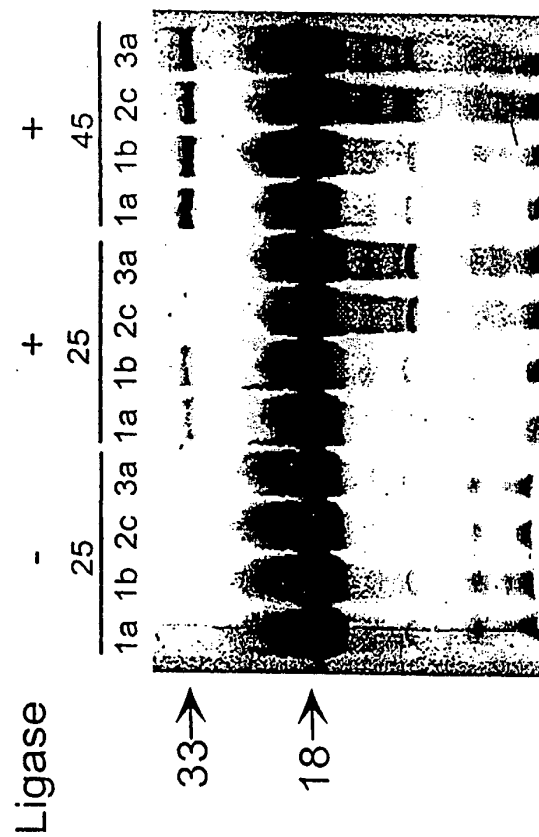


FIGURE 29A

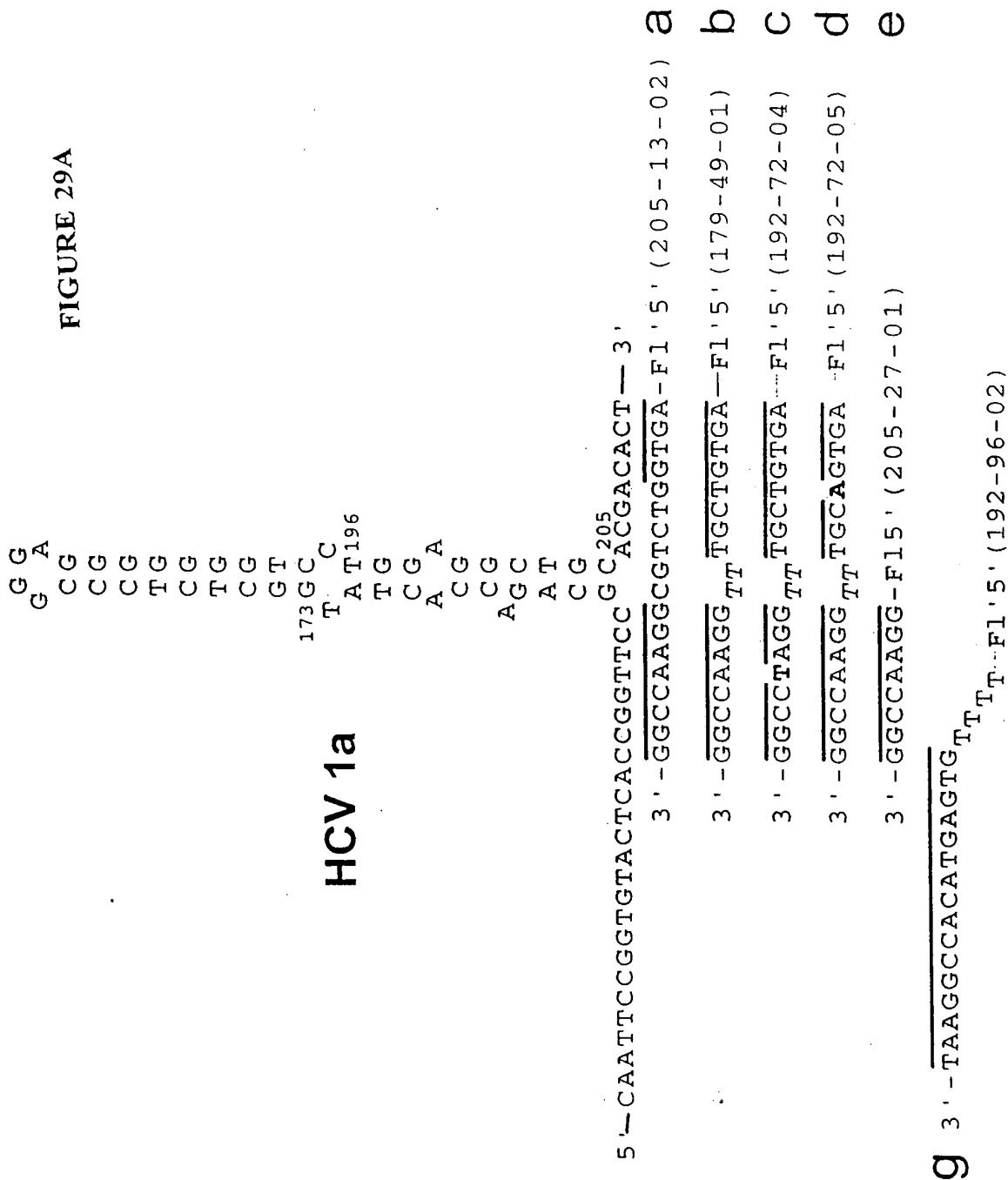
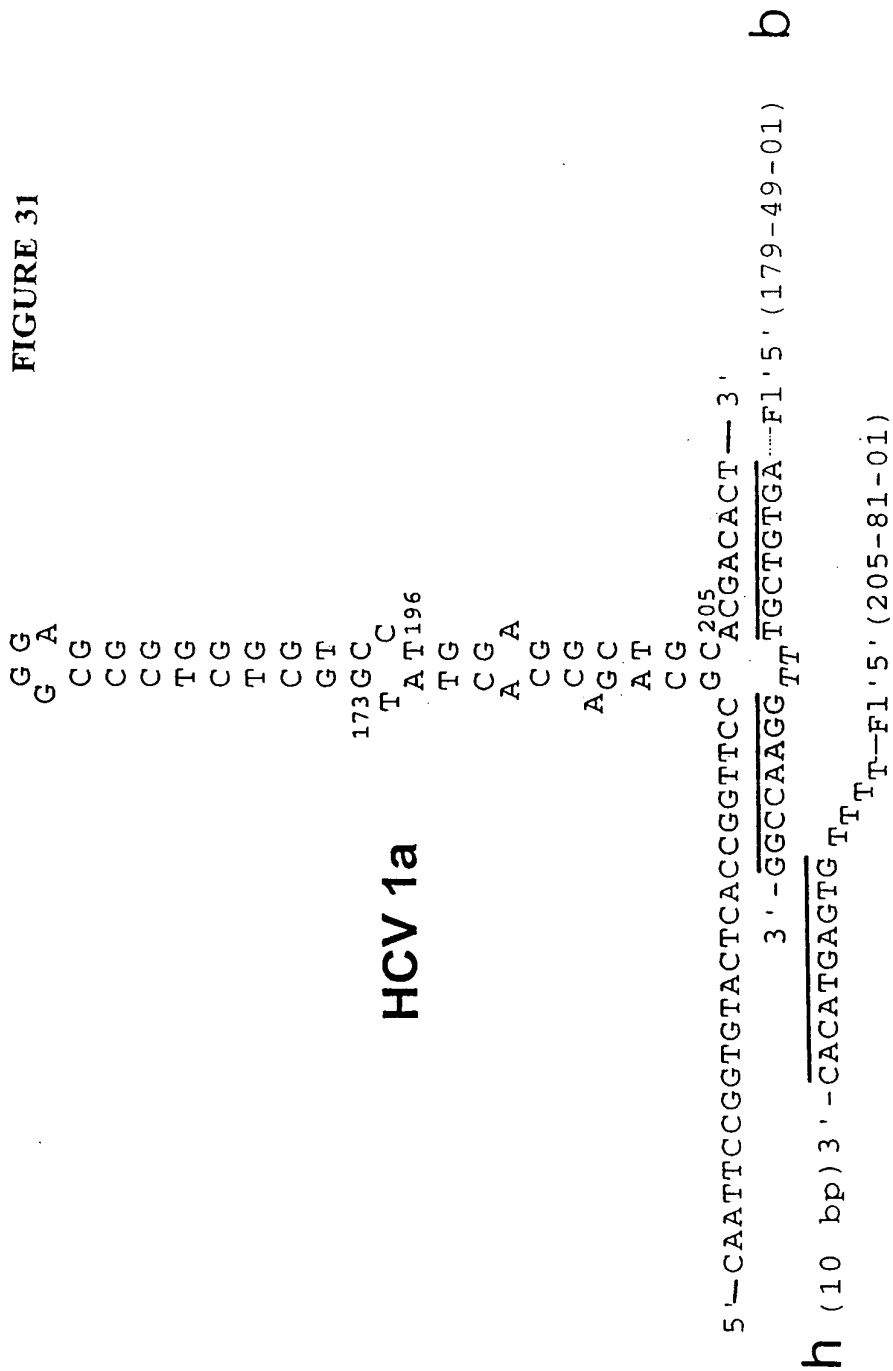


FIGURE 29B

5' - ATTCCGGTGTA CTACCGGTTCCAAACGACACT - 3' (205-13-01) S.T.
 3' - GGCCAAAGCGCTGGTGA - F1' 5' (205-13-02) a
 3' - GGCCCAAGG _{TT} TGCTGTGA - F1' 5' (179-49-01) b
 3' - GGCCCTAGG _{TT} TGCTGTGA - F1' 5' (192-72-04) c
 3' - GGCCCAAGG _{TT} TGCAGTGA - F1' 5' (192-72-05) d
 3' - GGCCCAAGG - F15' (205-27-01) e
 g 3' - TAAGGCCACATGAGTG _{TT} T - F1' 5' (192-96-02)

FIGURE 31



Probe	Temp.	Target	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z
30	30	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
35	35	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
45	45	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
1003	1003	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
1915	1915	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
1918	1918	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
2085	2085	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
1608	1608	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
2421	2421	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
2583	2583	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
2960	2960	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
872	872	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
1298	1298	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
1324	1324	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r	3s	3t	3u	3v	3w	3x	3y	3z	
1605	1605	1a	1b	2a/c	3a	3b	3c	3d	3e	3f	3g	3h	3i	3j	3k	3l	3m	3n	3o	3p	3q	3r									

FIGURE 33

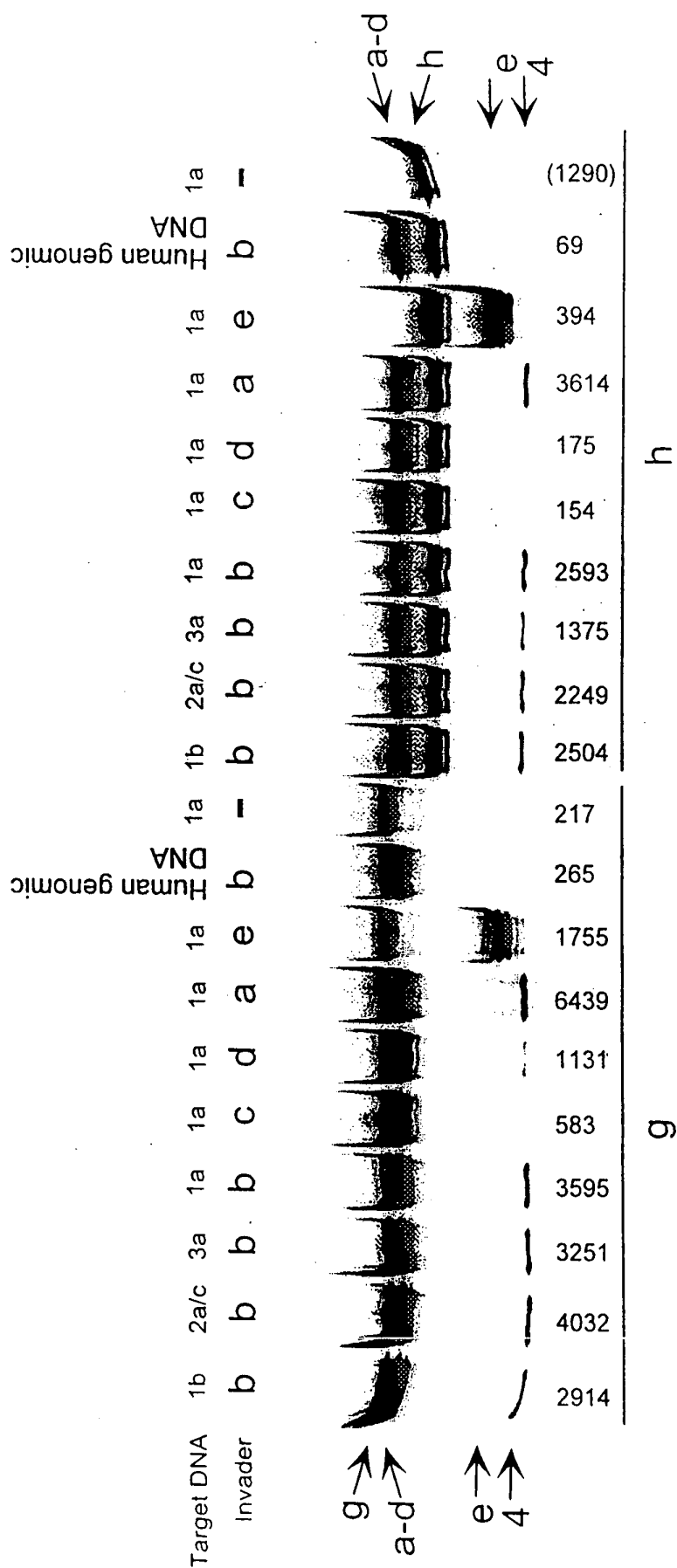


FIGURE 34

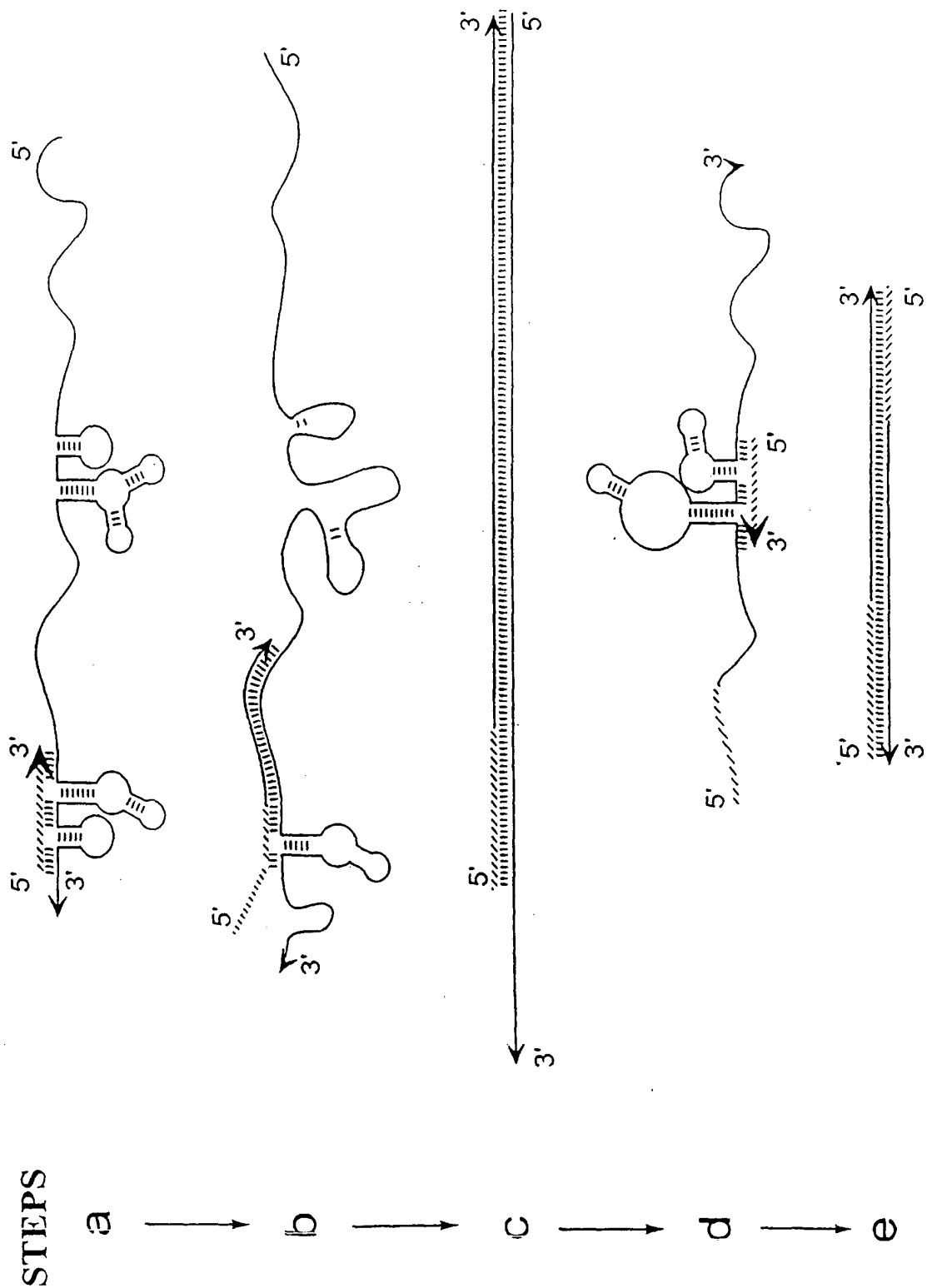


FIGURE 36

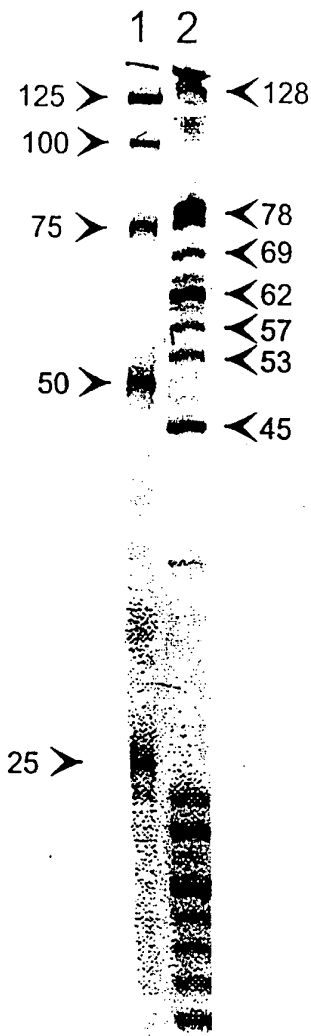
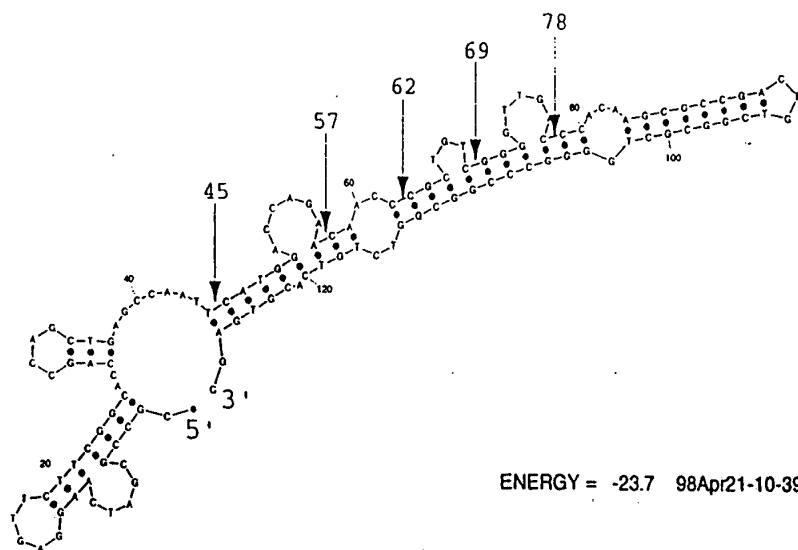
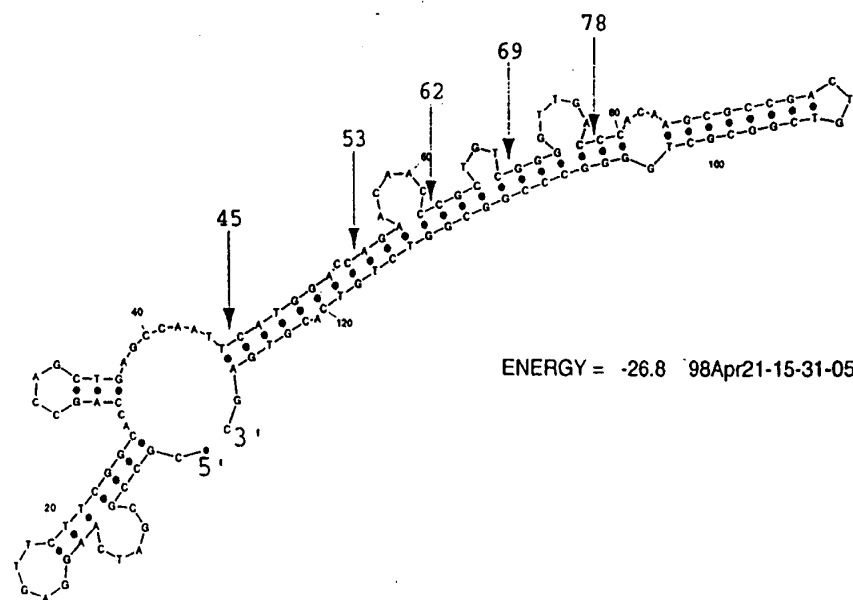


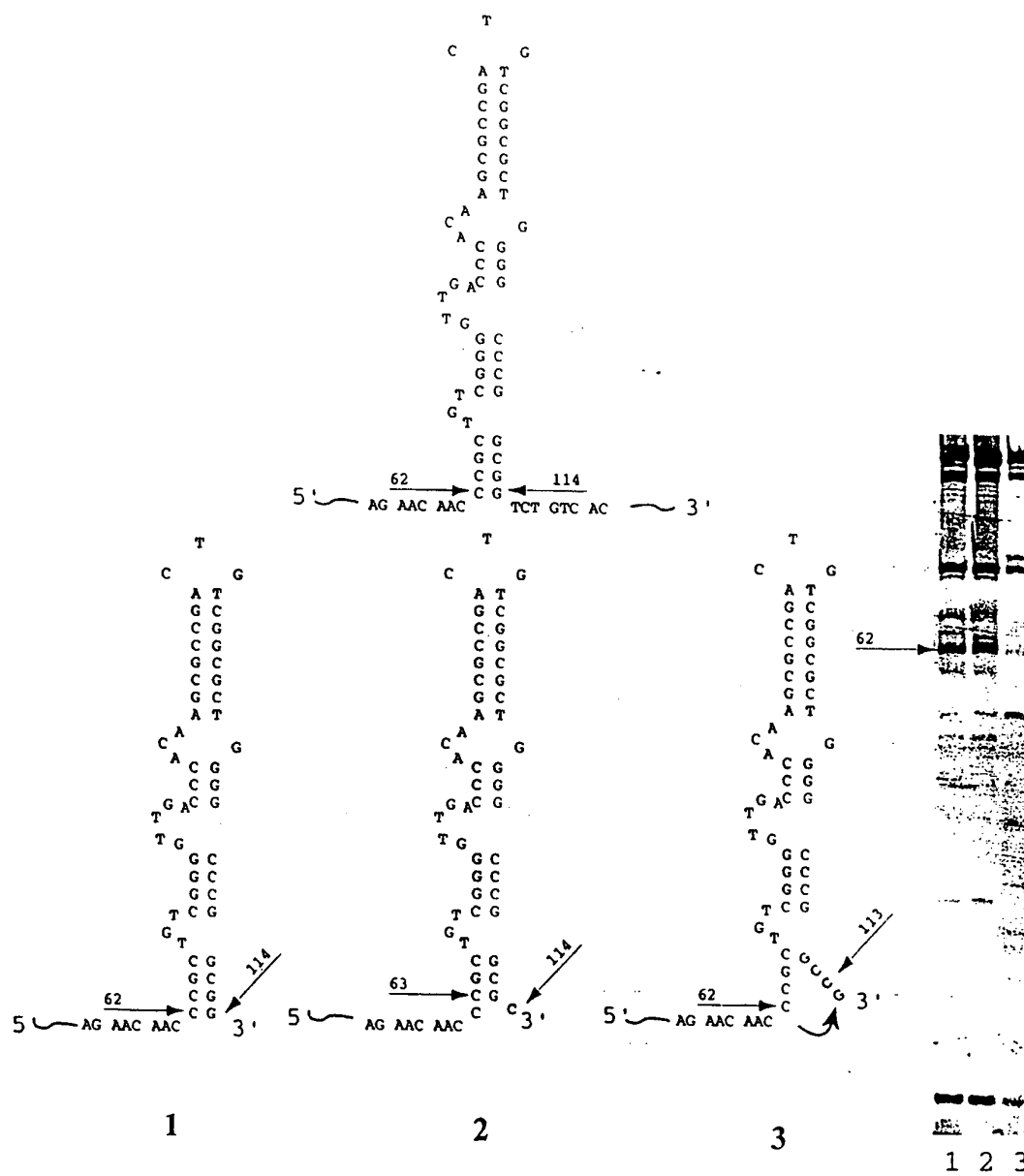
FIGURE 37A



ENERGY = -23.7 98Apr21-10-39-54



ENERGY = -26.8 98Apr21-15-31-05

53 / 65
FIGURE 37B

54 / 65

FIGURE 37C

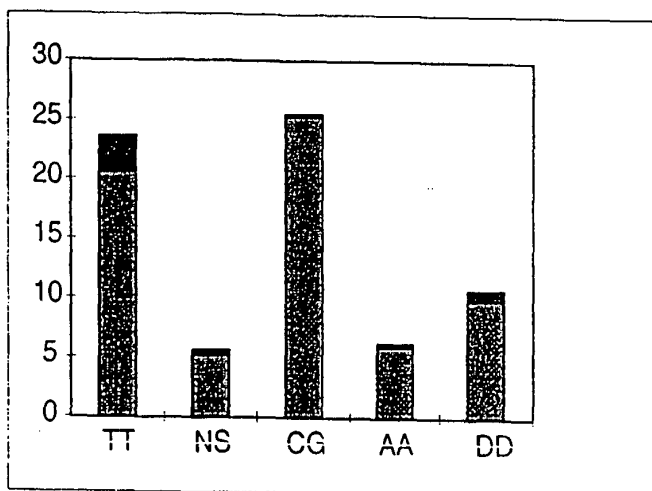
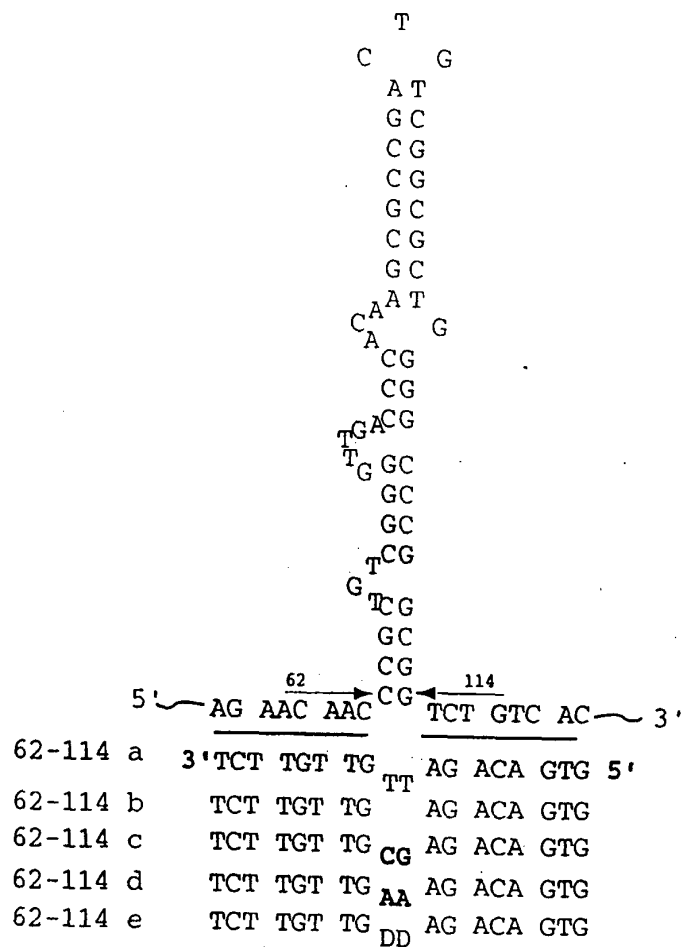


FIGURE 38A

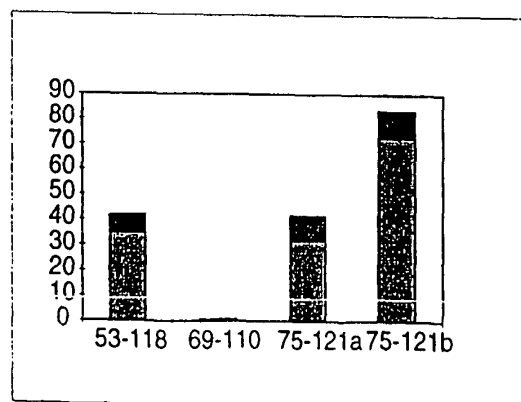
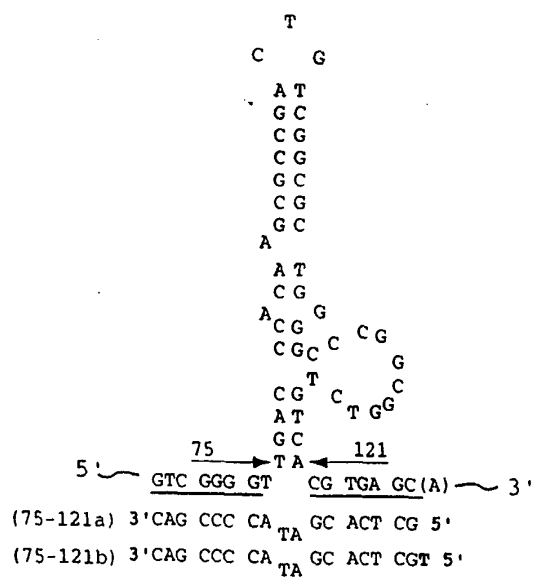
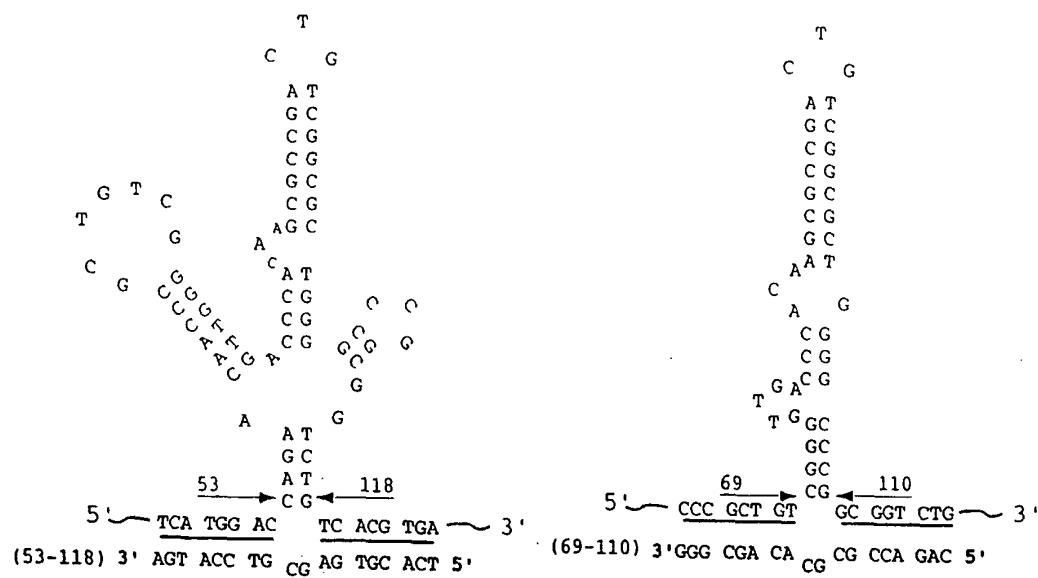


FIGURE 39

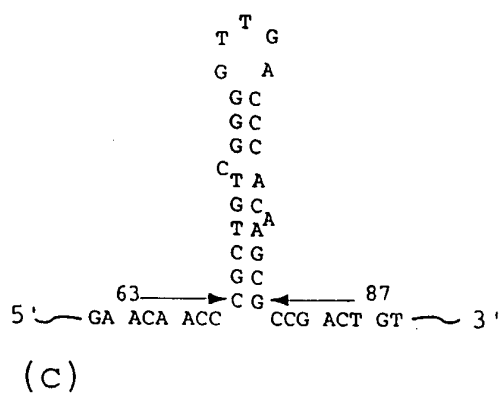
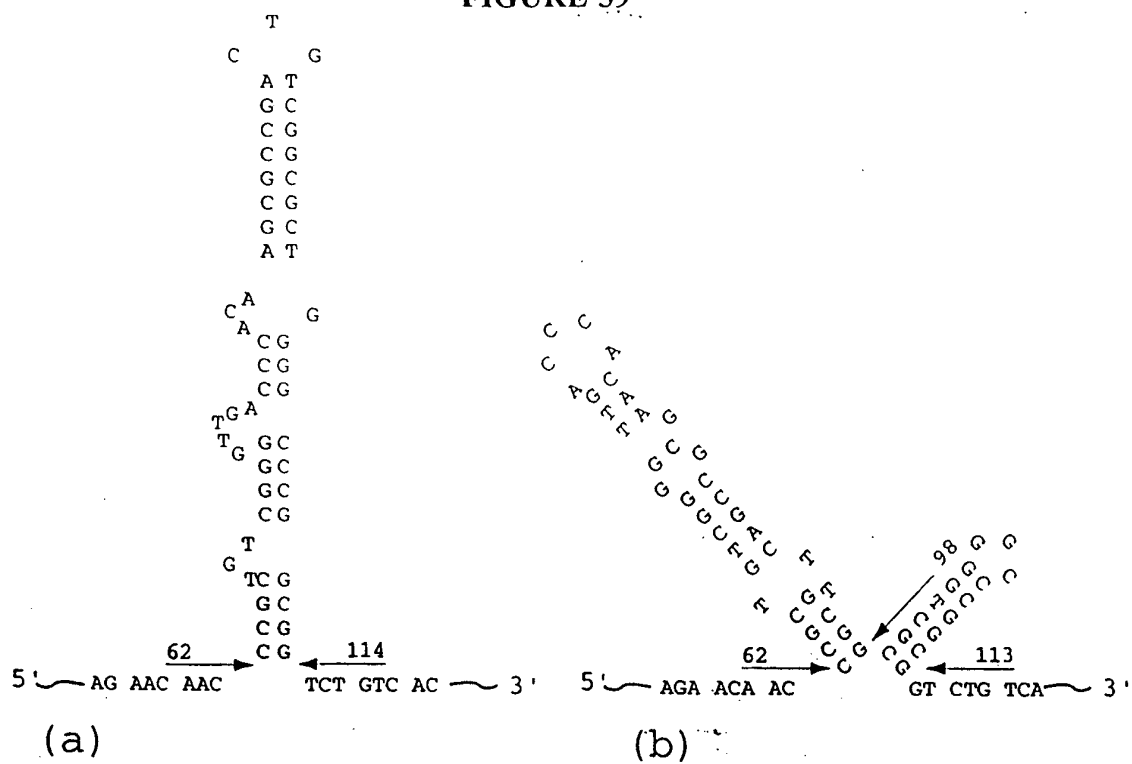


FIGURE 40

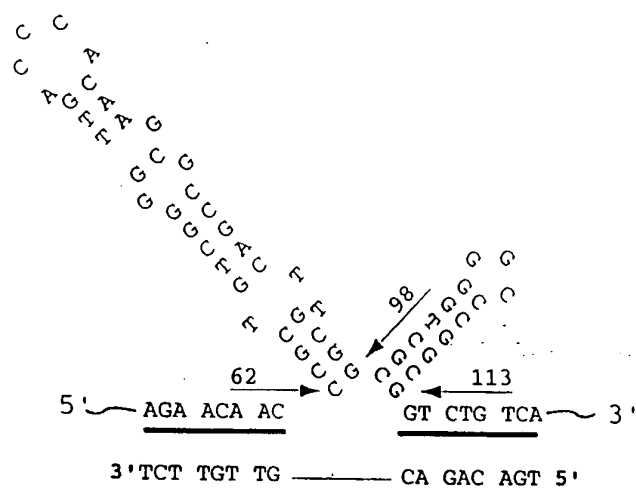


FIGURE 41

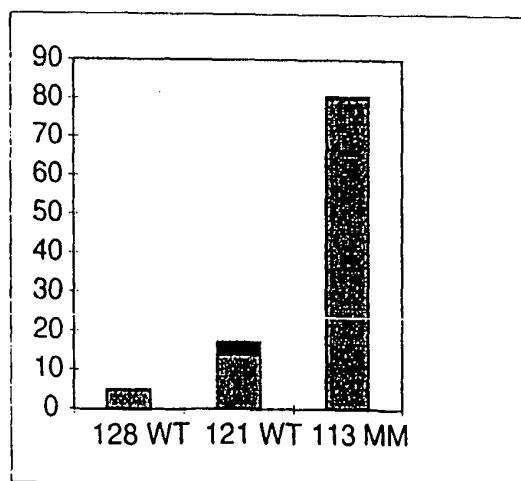
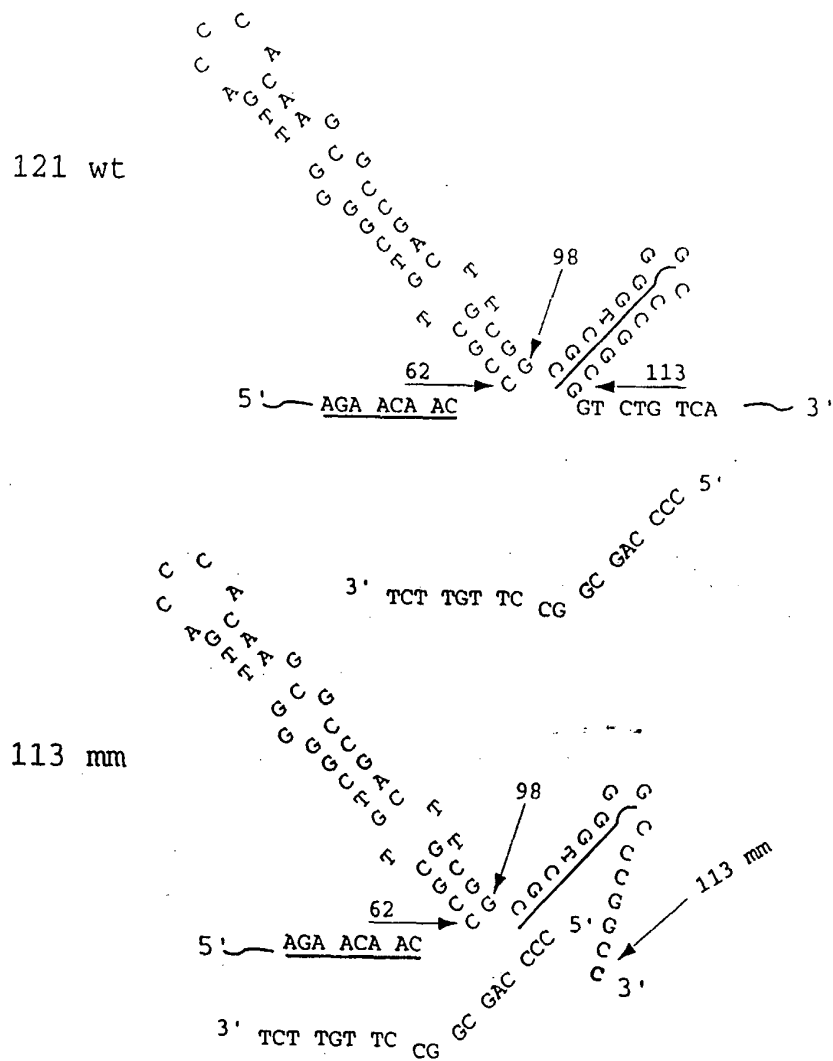


FIGURE 42

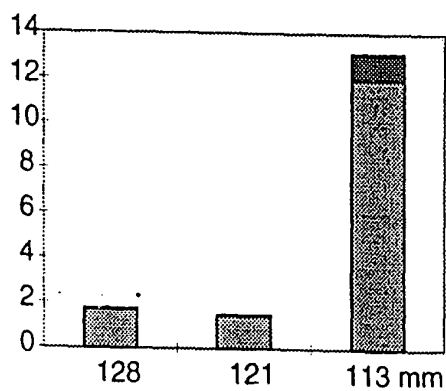
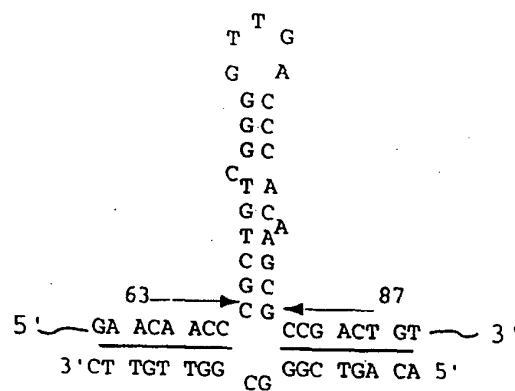


FIGURE 43A

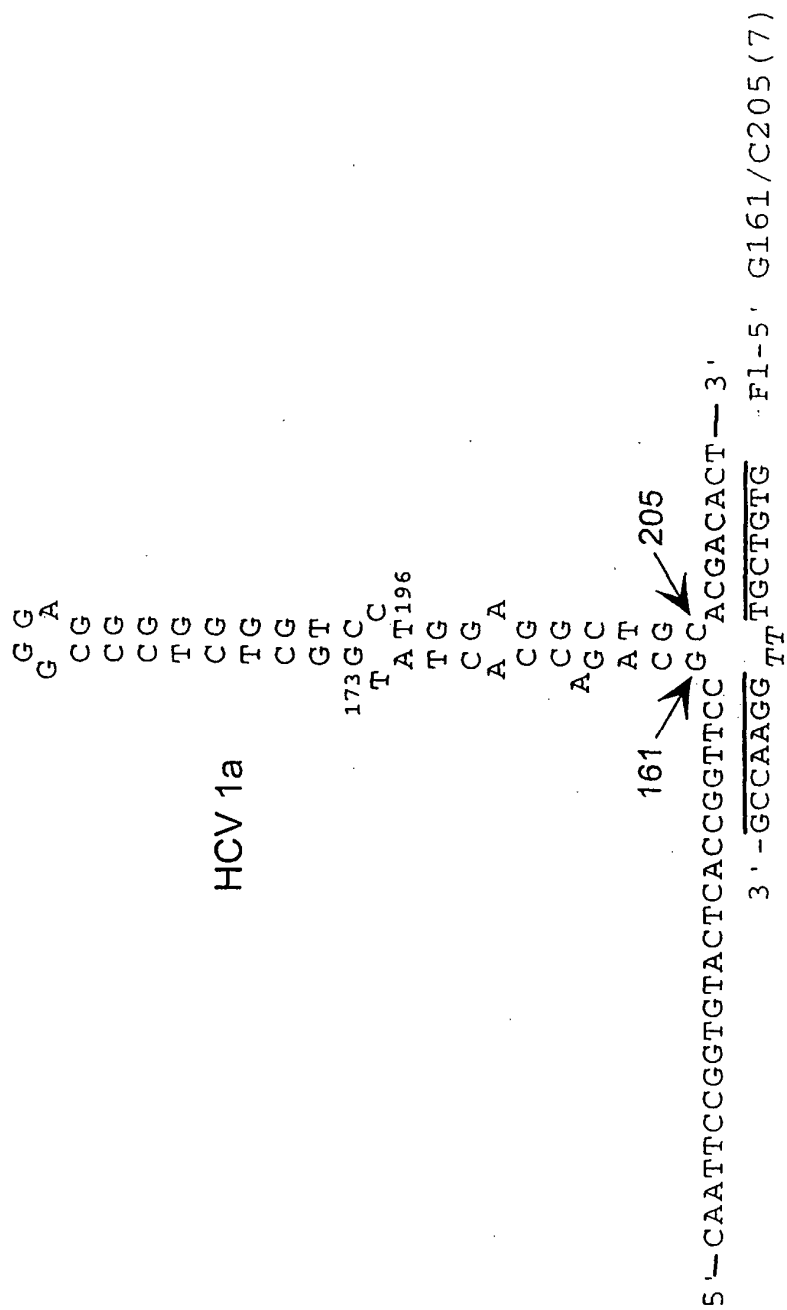


FIGURE 43B

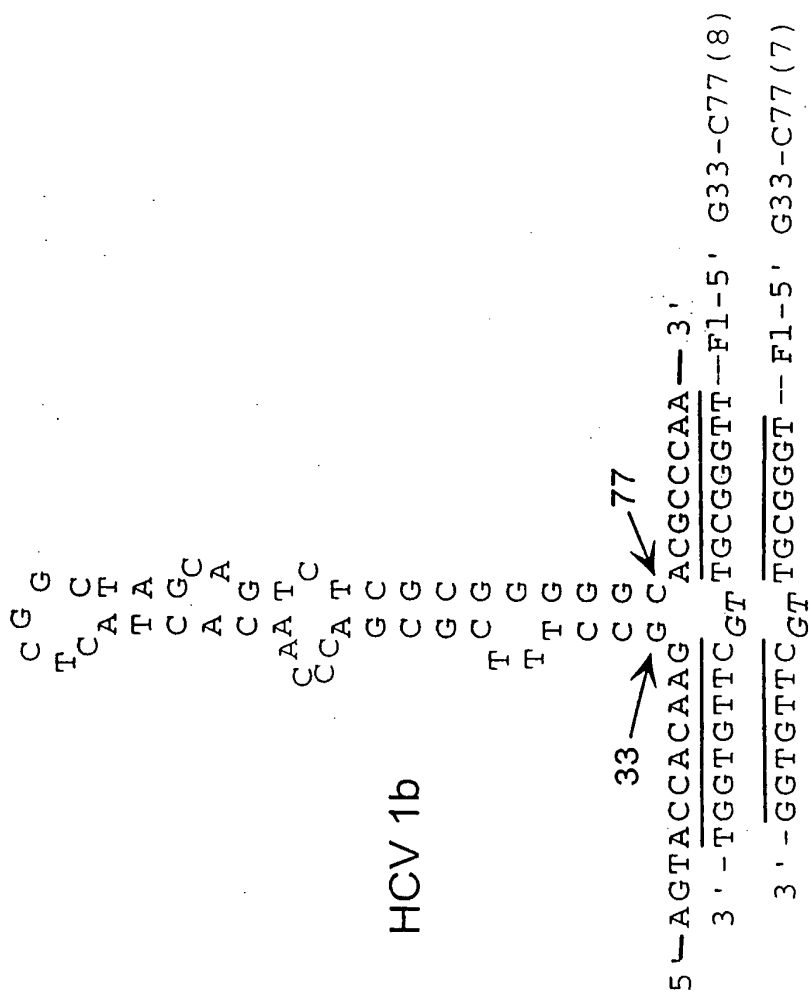


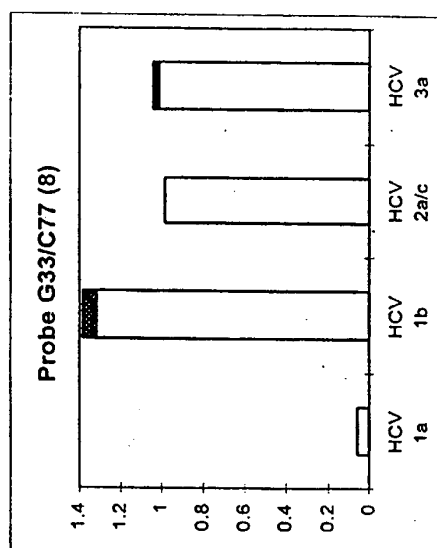
FIGURE 44A

FIGURE 44B